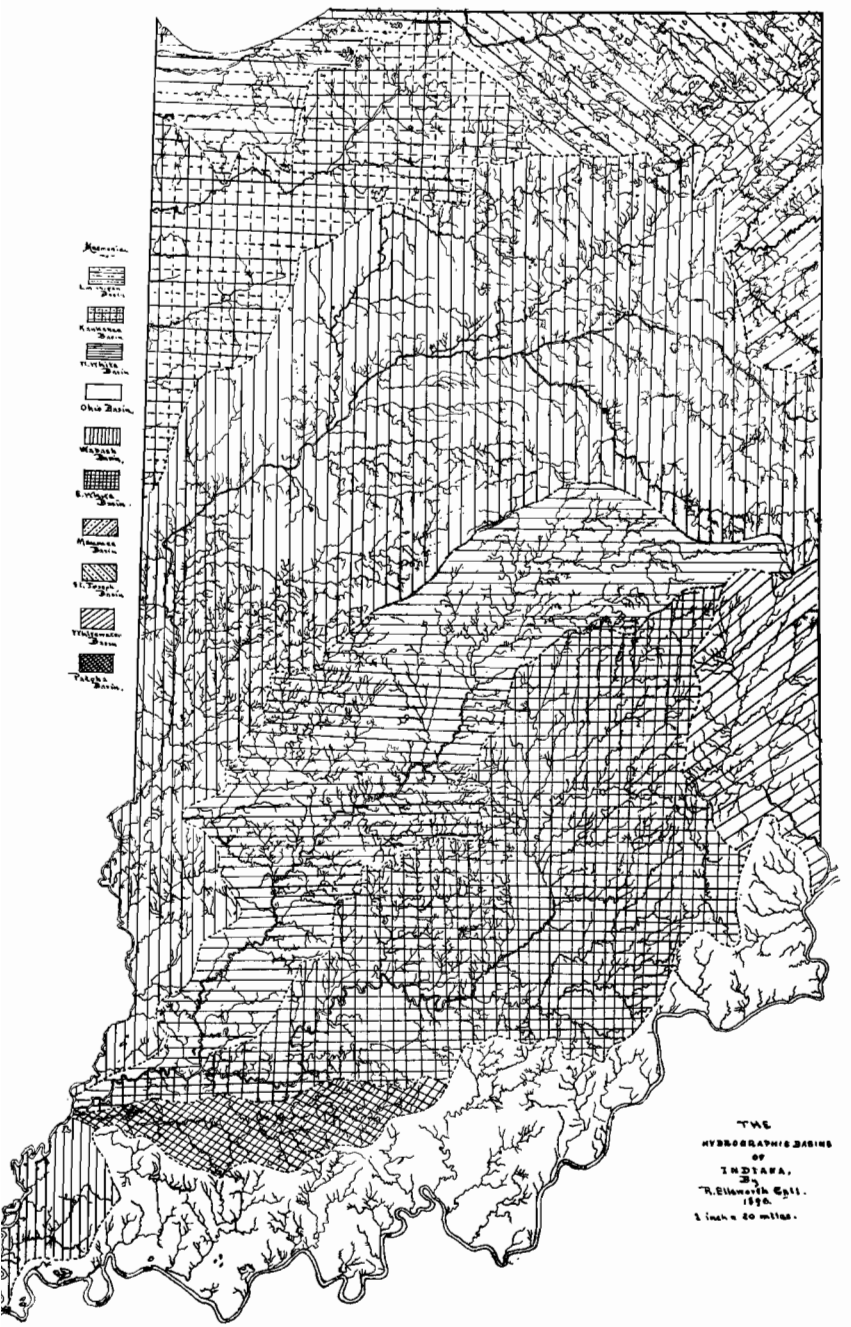
Plates for Paper on

The Mollusca of Indiana.

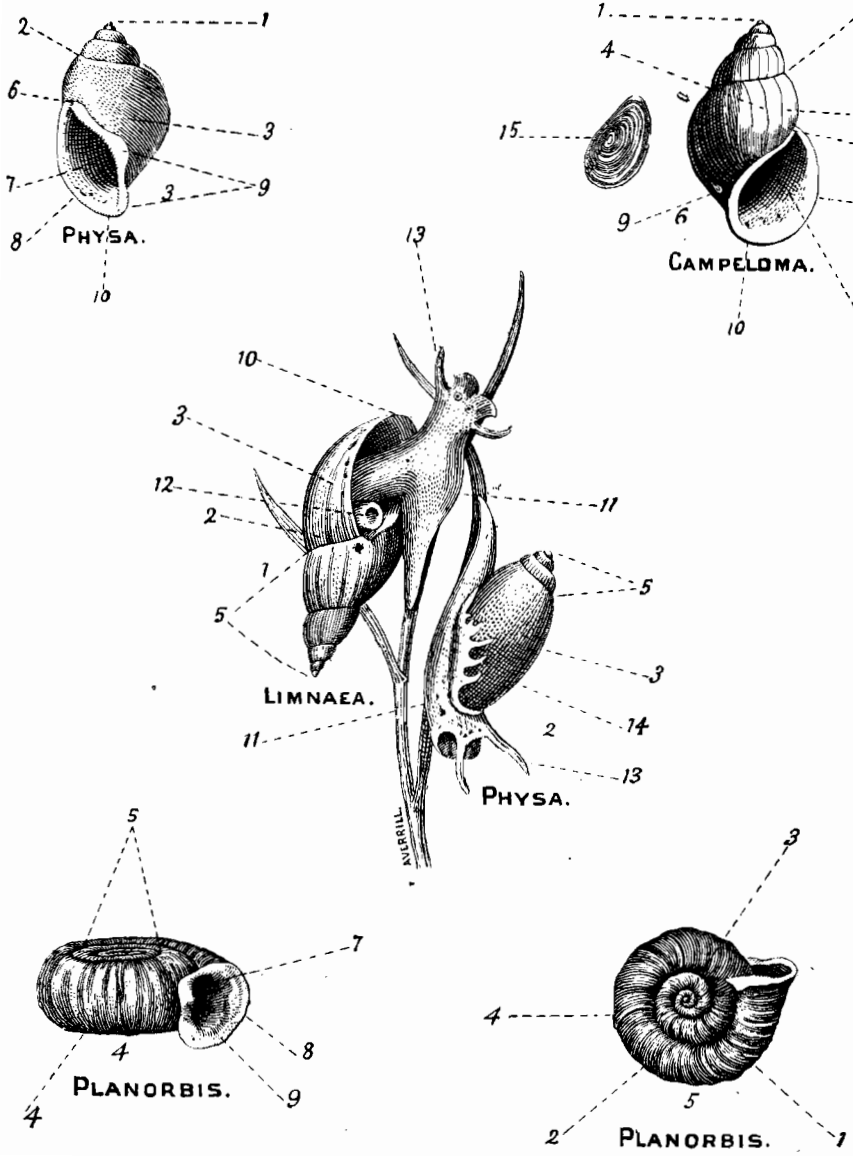


HYDROGRAPHIC MAP.

EXPLANATION OF DESCRIPTIVE TERMS EMPLOYED IN FRESH WATER UNIVALVES.

PLATE 2.

1. Apex.
2. Suture.
3. Body whorl.
4. Lines of growth.
5. Spire.
6. Superior angle of aperture.
7. Aperture.
8. Peristome.
9. Columella.
10. Inferior angle of margin or peristome.
11. Disk, or foot.
12. Breathing pore.
13. Tentacle.
14. Mantle, fimbriated in Physa.
15. Operculum.


PHYSA.
CAMPELOMA.
LIMNAEA.
PHYSA.
PLANORBIS.
PLANORBIS.
ANERRILL

EXPLANATION OF DESCRIPTIVE TERMS EMPLOYED IN UNIO.

PLATE 3.

1. Umbone.
2. Lunule.
3. Ligament.
4. Line of growth.
5. Posterior umbonal slope.
6. Posterior margin.
7. Sulcus, or emargination.
8. Ventral margin.
9. Anterior margin.
10. Anterior umbonal slope.
11. Embryonic shell.
12. Lateral hinge teeth.
13. Anterior or cardinal hinge teeth.
14. Anterior retractor pedis impression.
15. Anterior adductor cicatrix or scar.
16. Protractor pedis muscular impression.
17. Posterior retractor pedis impression.
18. Posterior adductor impression.
19. Pallial line.
20. Cavity of the beaks, or umbones.
21. Dorsal margin.

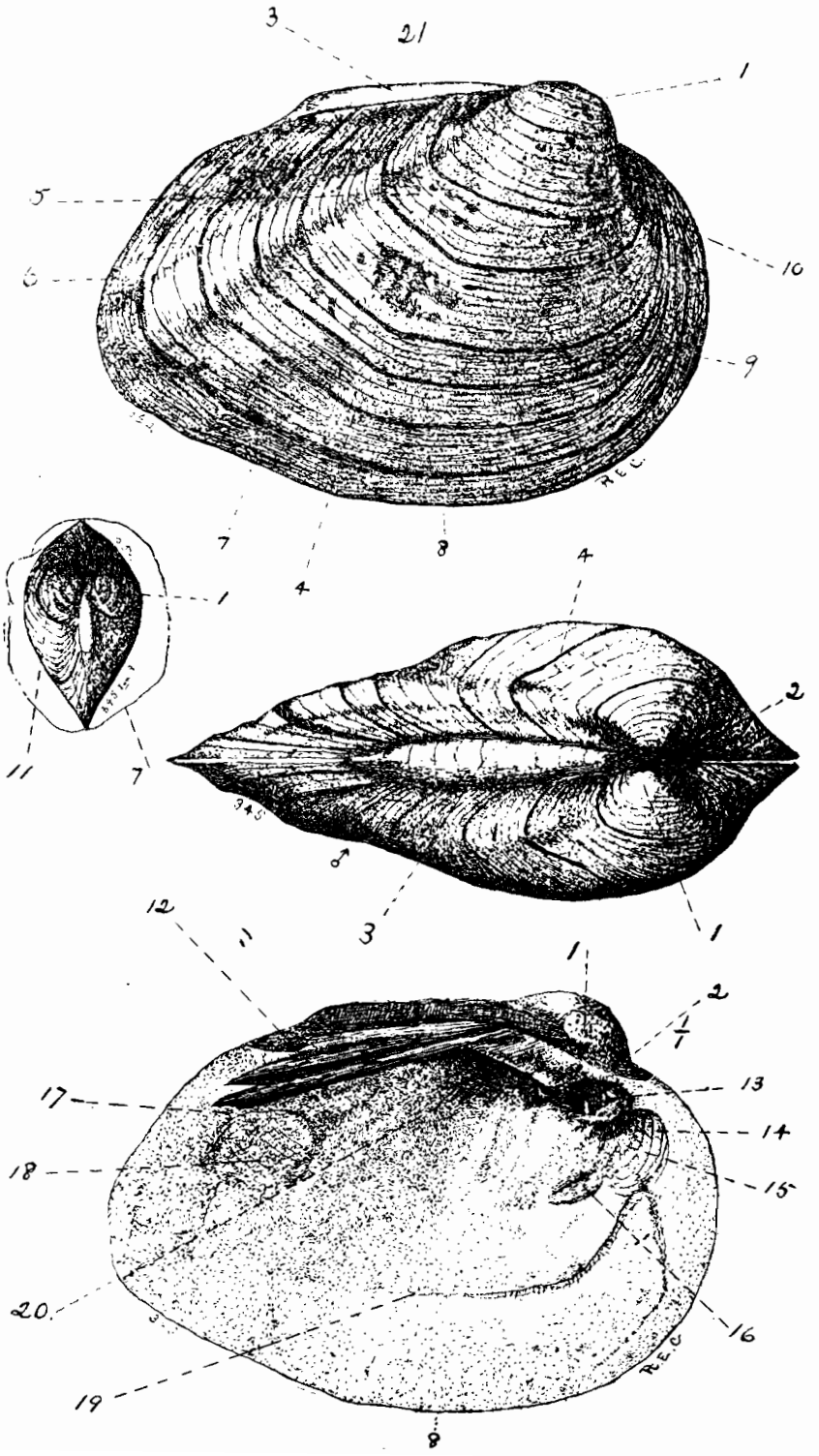

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PLATE 4.

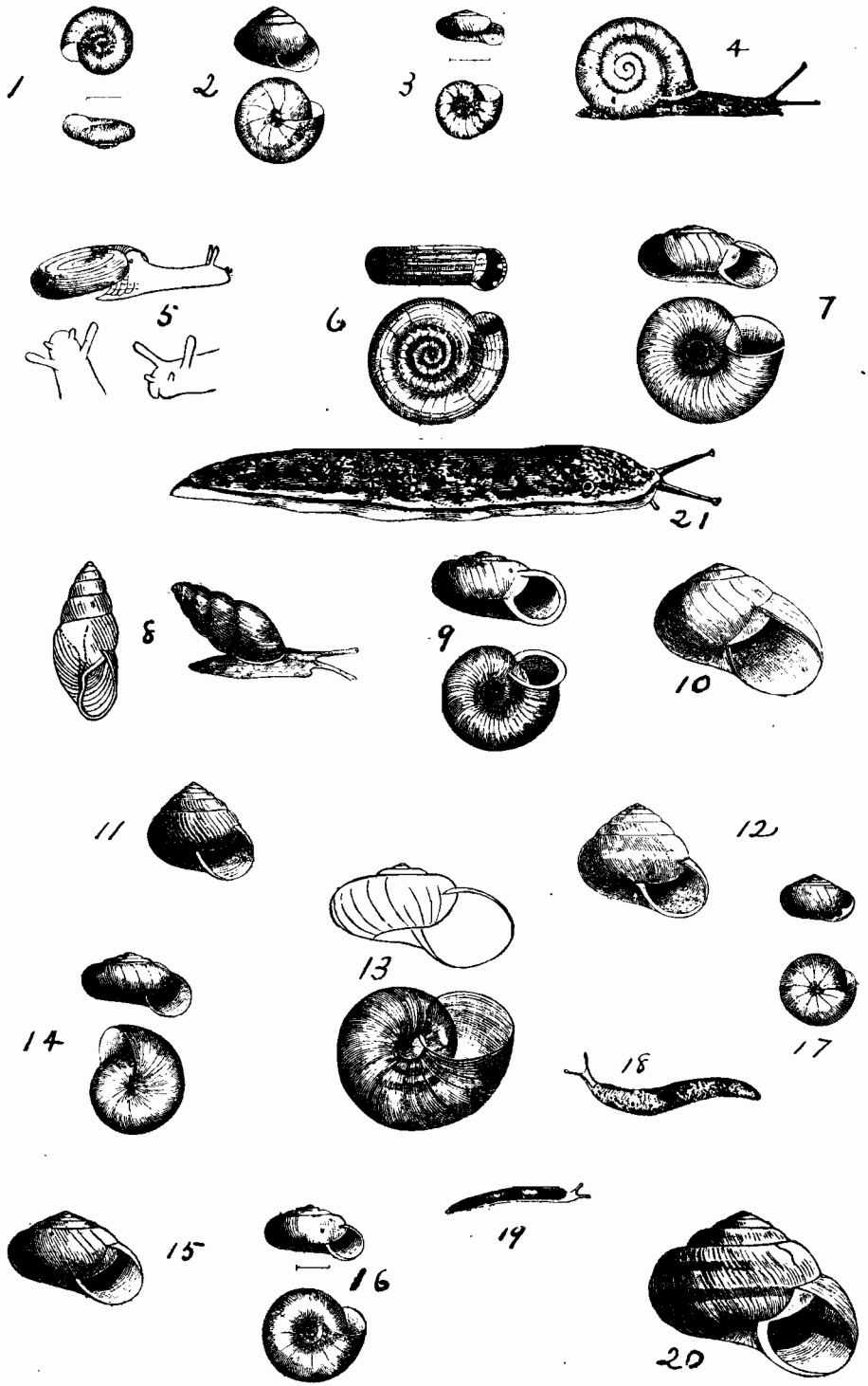
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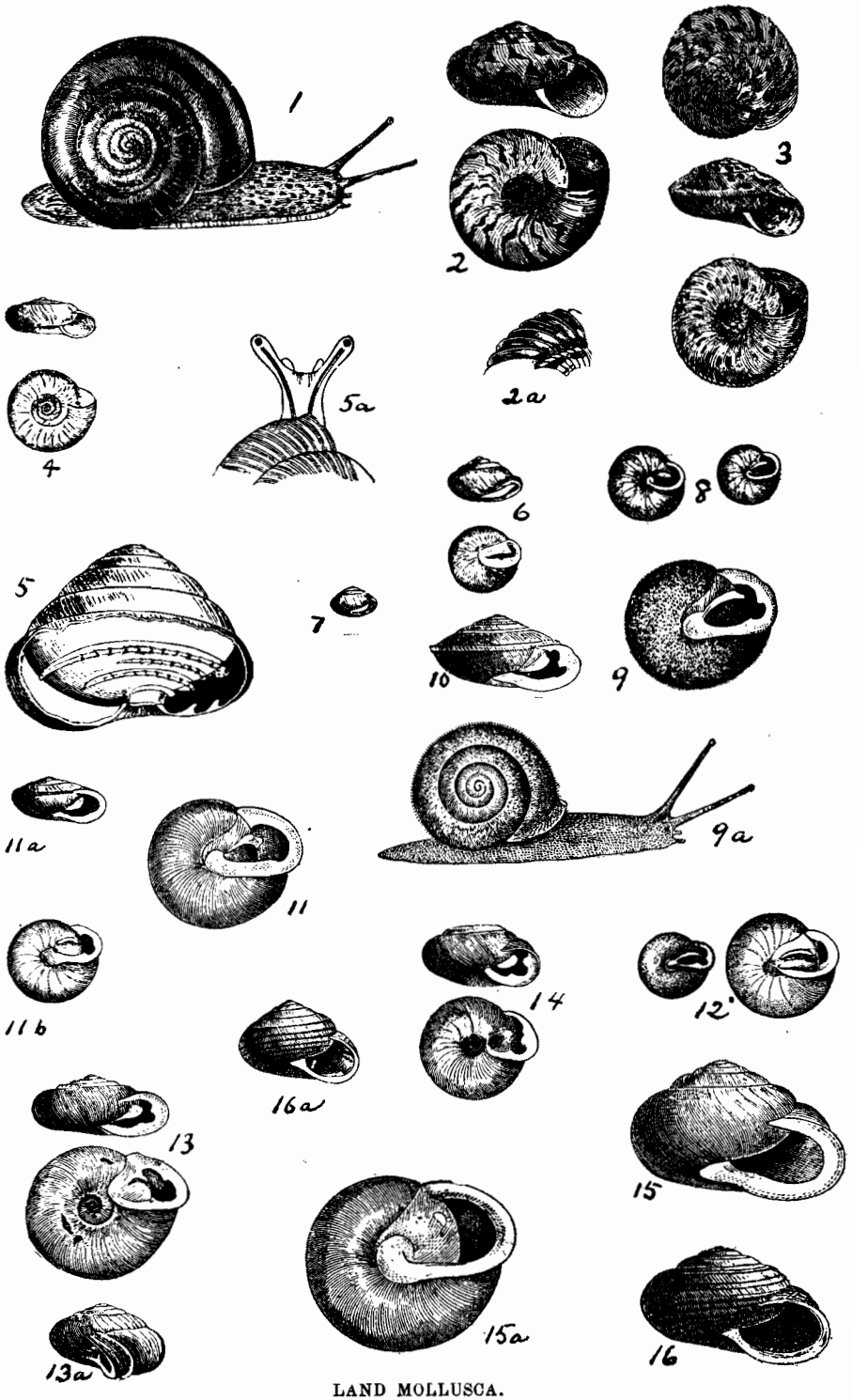
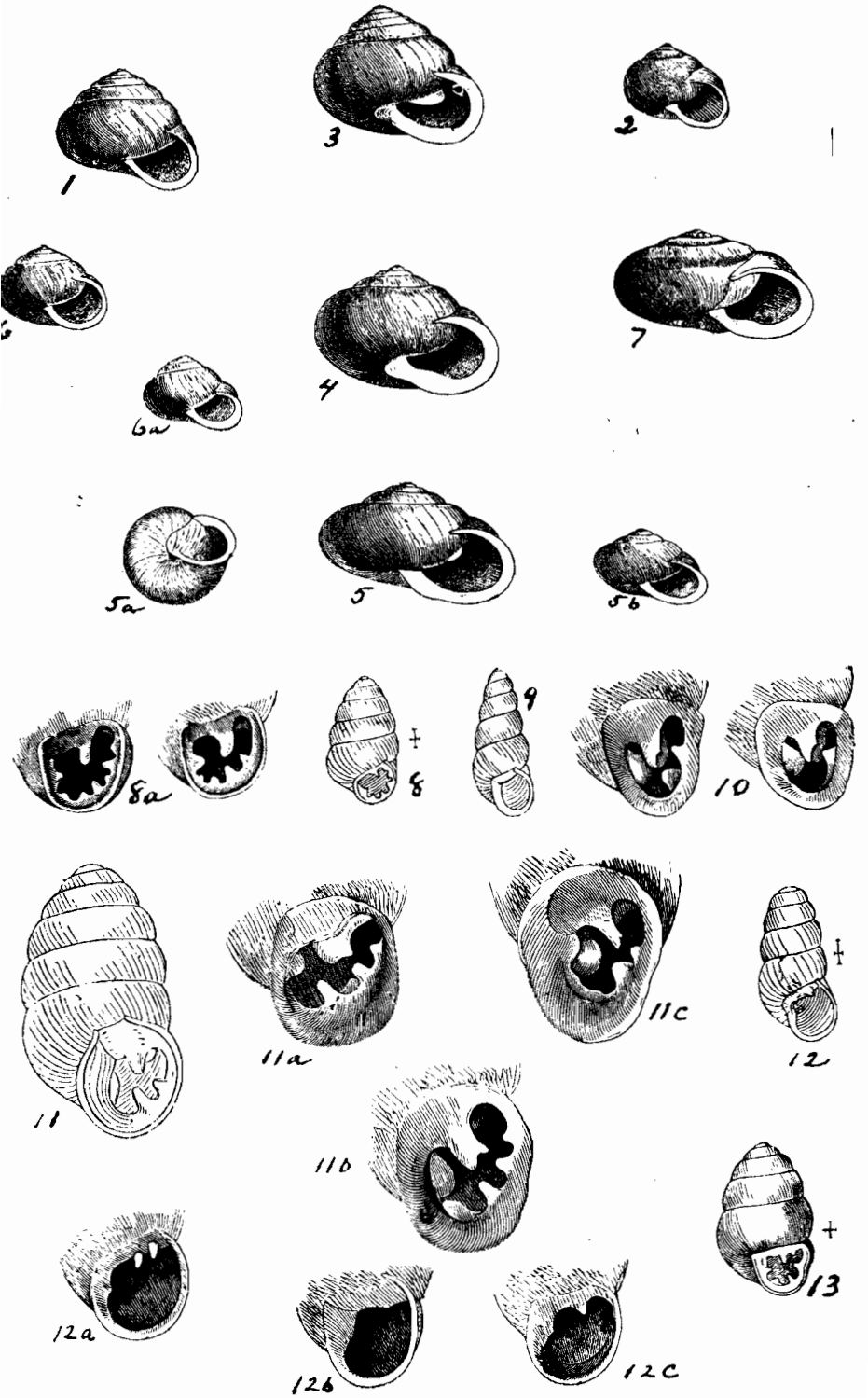
PLATE 5.



LAND MOLLUSCA.

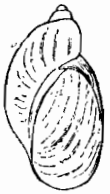
PLATE 6.



LAND MOLLUSCA.

PLATE 7.

The remaining figures of this plate are self-explanatory. They all deal with the details of jaw structure, which are believed to be useful for purposes of classification. Only generic forms are here shown.



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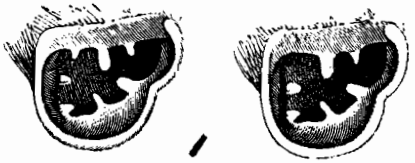
Jaw of *Z. arboreus* (Morse)

Jaw of *Pupa pentodon.* (Morse)

Jaw of *lineatus.*

Jaw of *F. subcylindrica.*

Jaw of *T appressa.*



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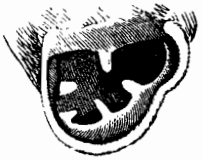
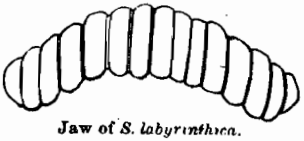
Jaw of *Vertigo ovata.* (Morse.)

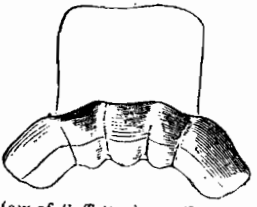


Jaw of *L. flavus.*

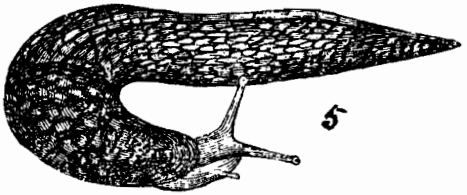
Jaw of *T. dorsalis.*



Jaw of *S. labyrinthica.*



Jaw of *S. Totteniana.* (Morse.)



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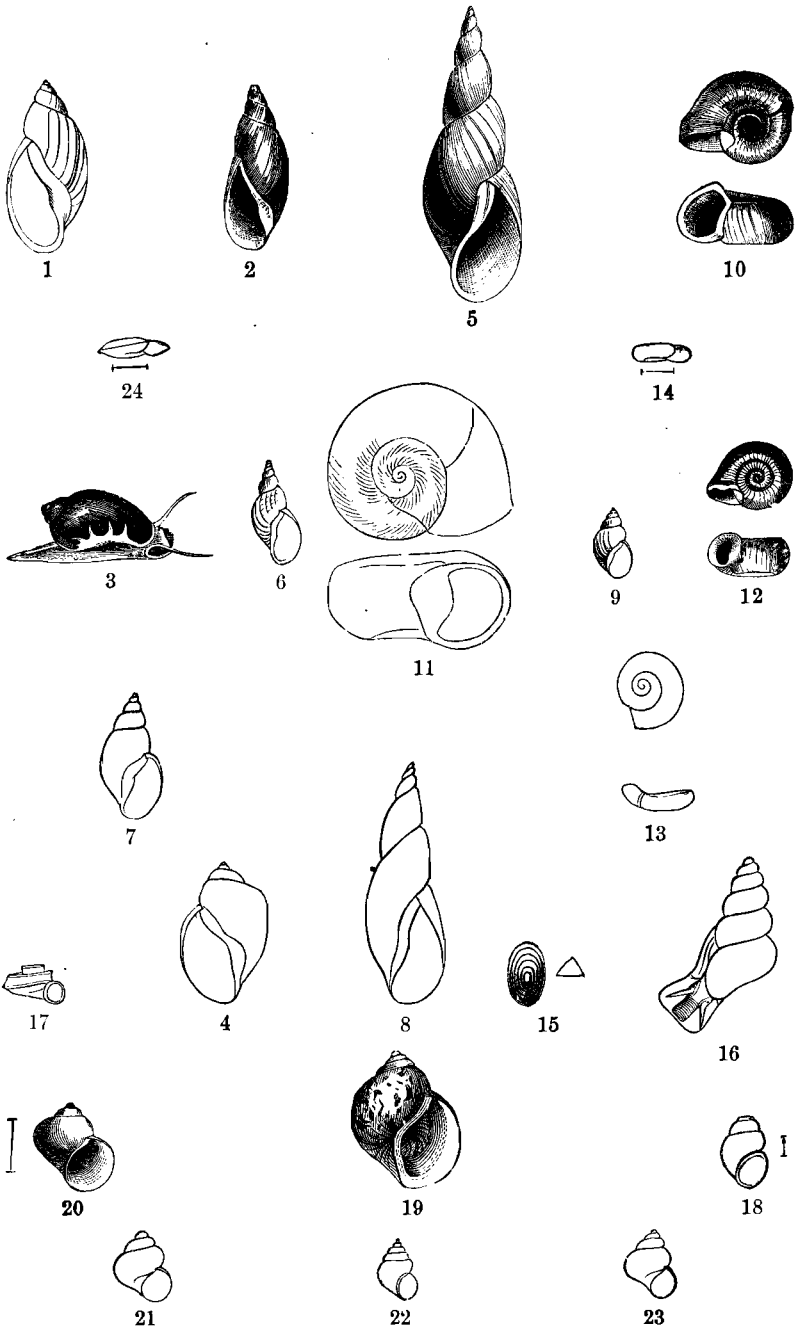
Jaw of *S. monodon.* (Morse.)

Jaw of *P. striatella.* (Morse).

PLATE 8.



LIMNÆIDÆ, VALVATIDÆ AND RISSOIDÆ.

PLATE 9.

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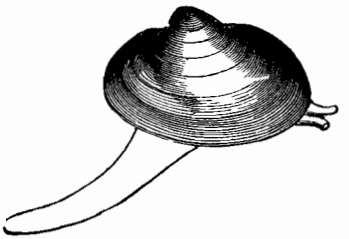

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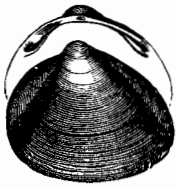

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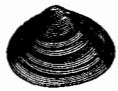

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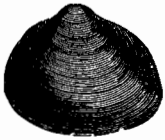

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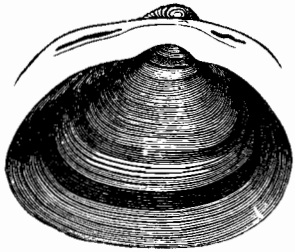

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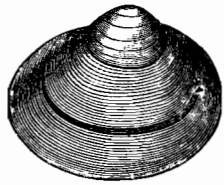

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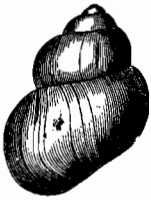

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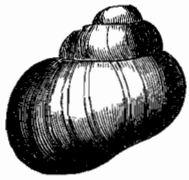

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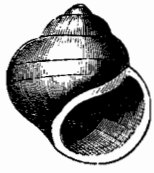

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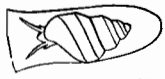

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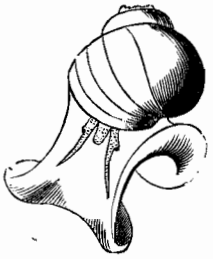
CORBICULADÆ AND VIVIPARIDÆ.



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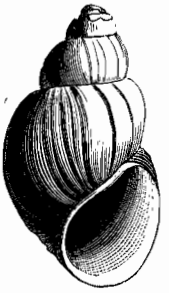

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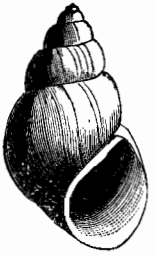

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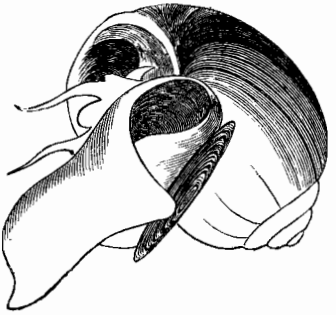

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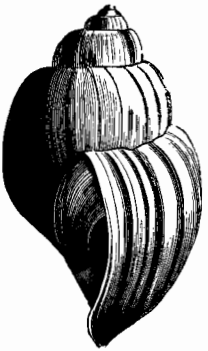

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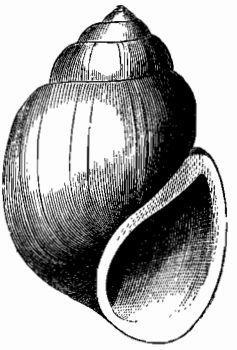
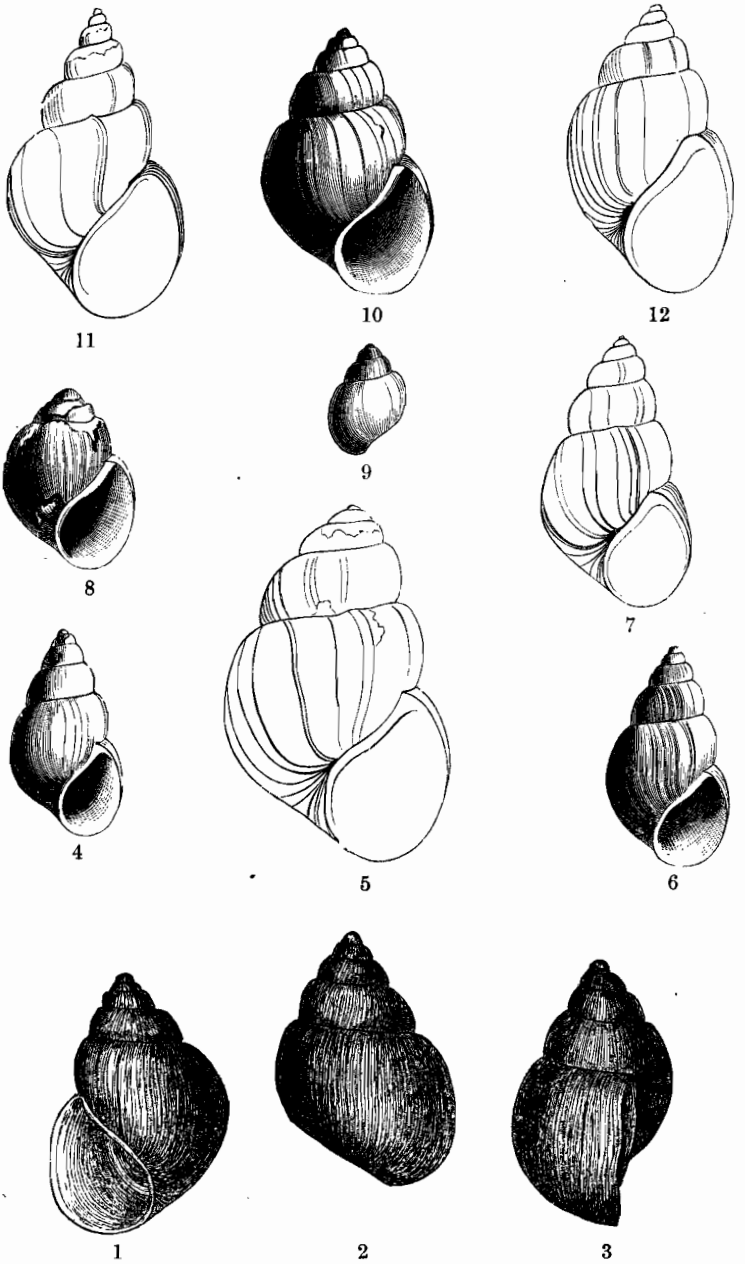


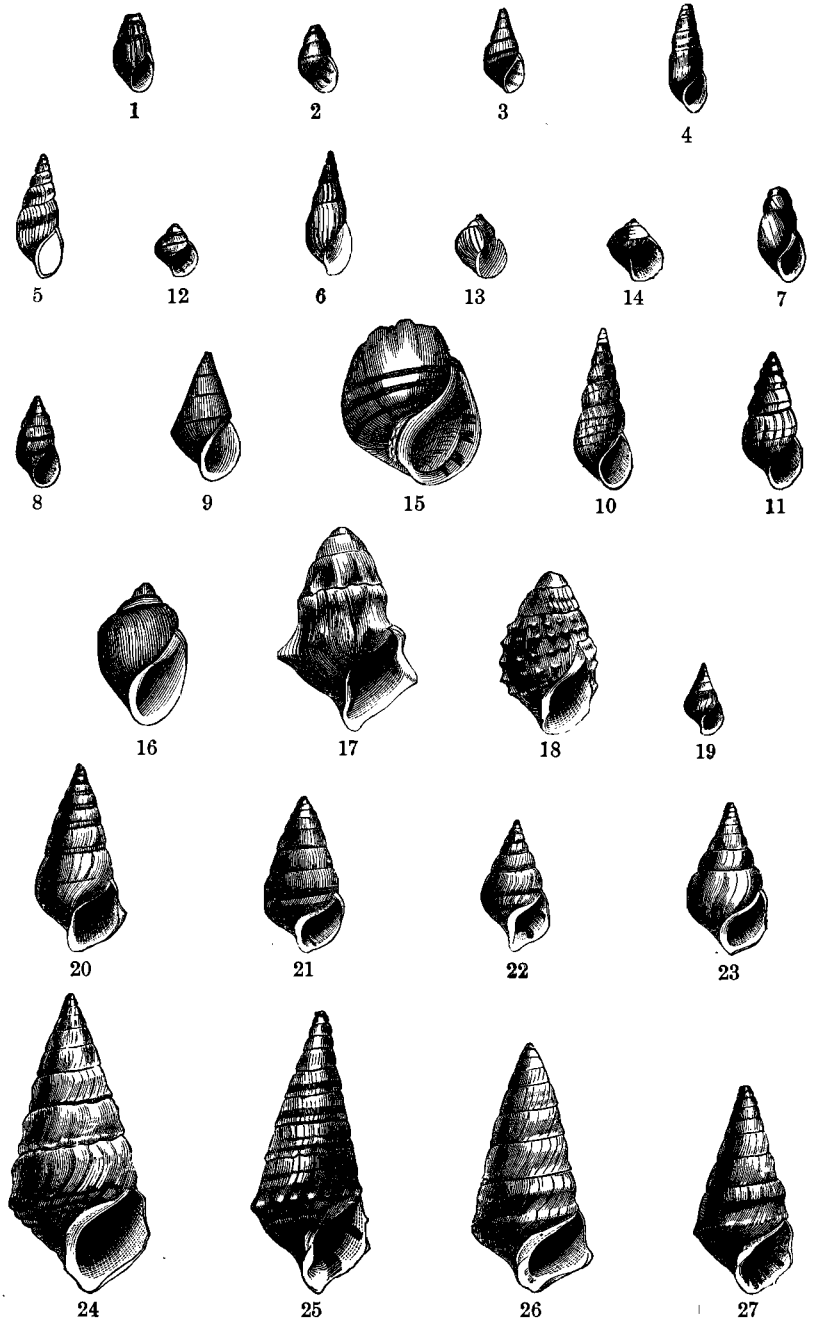
6

C. decisum, 1–3. C. ponderosum, 4–6.

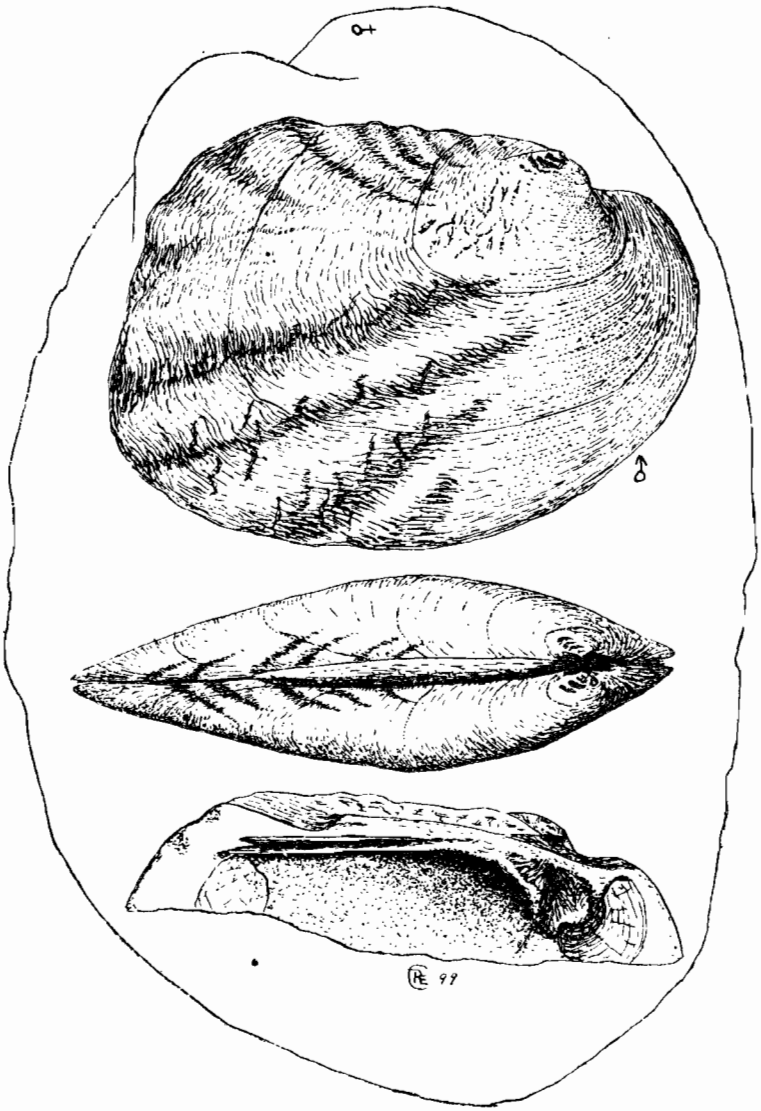


C. subsolidum, 1–7. C. rufum, 8–9. C. integrum, 10–12.

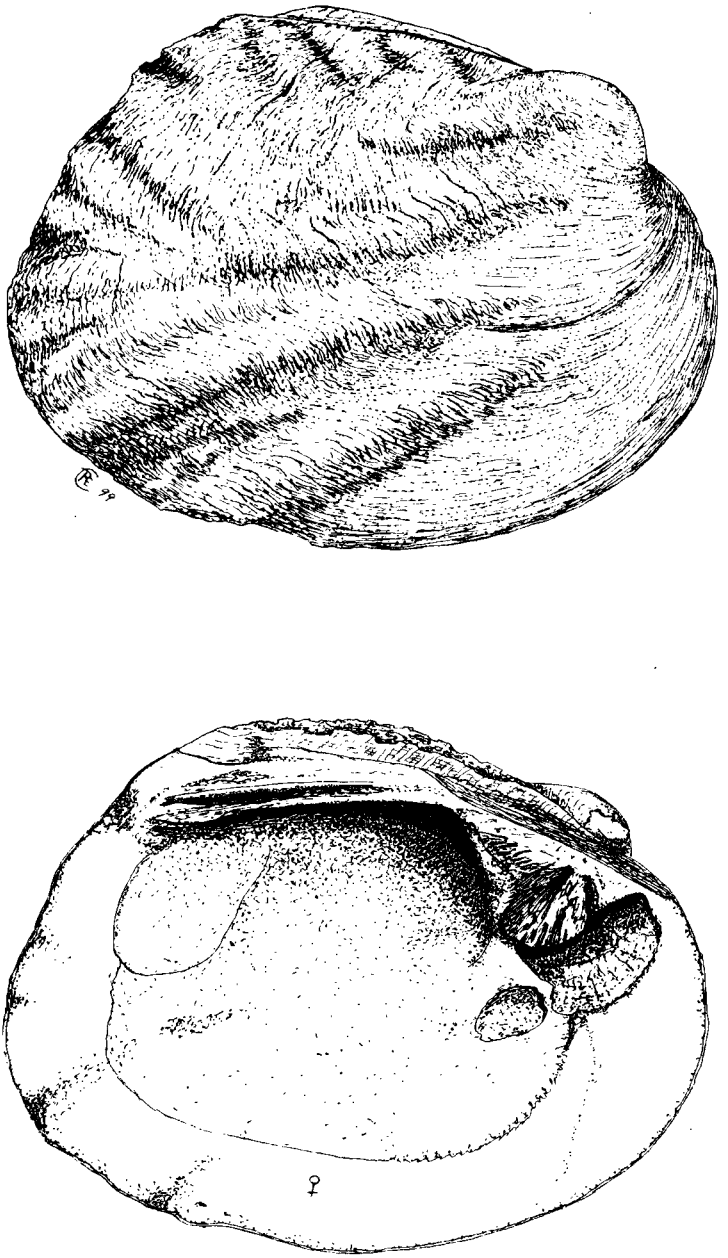
PLATE 12.



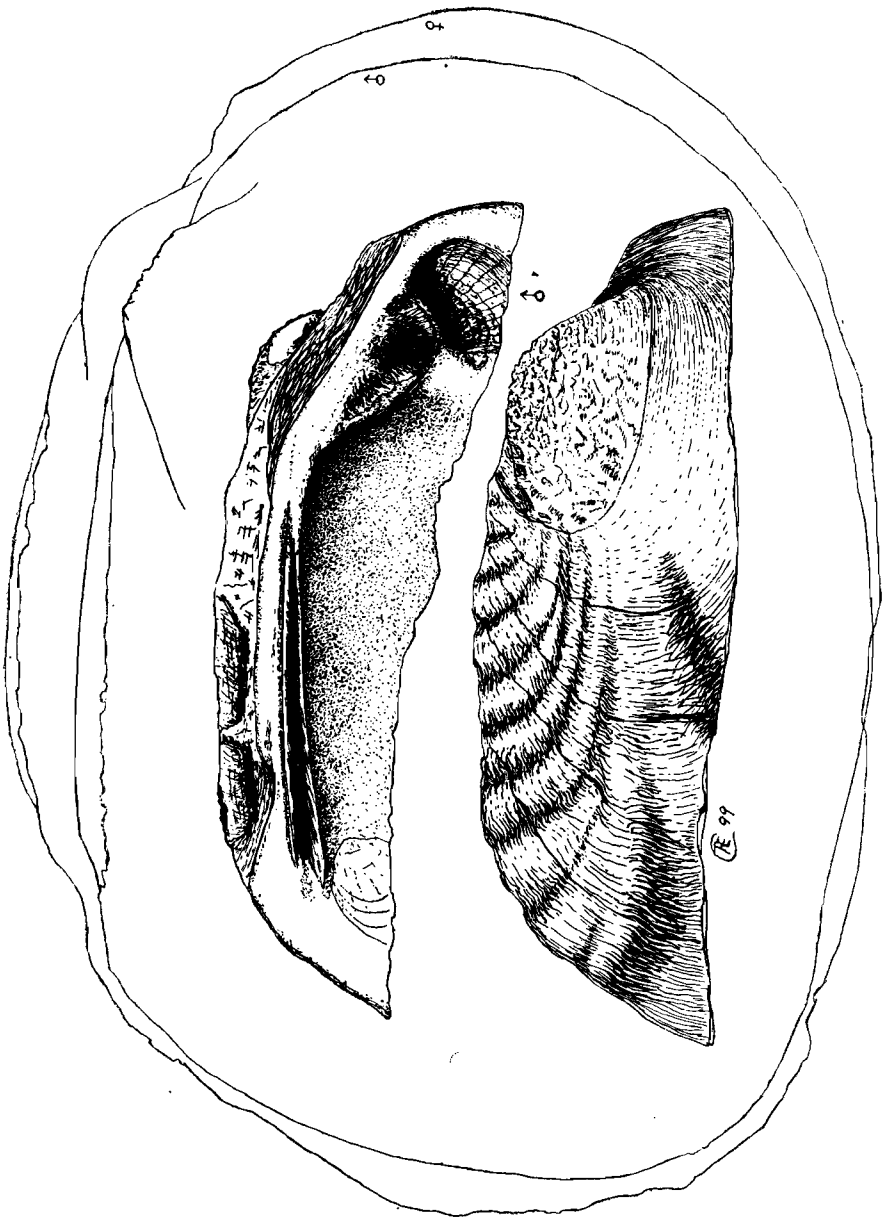
STREPOMATIDÆ.



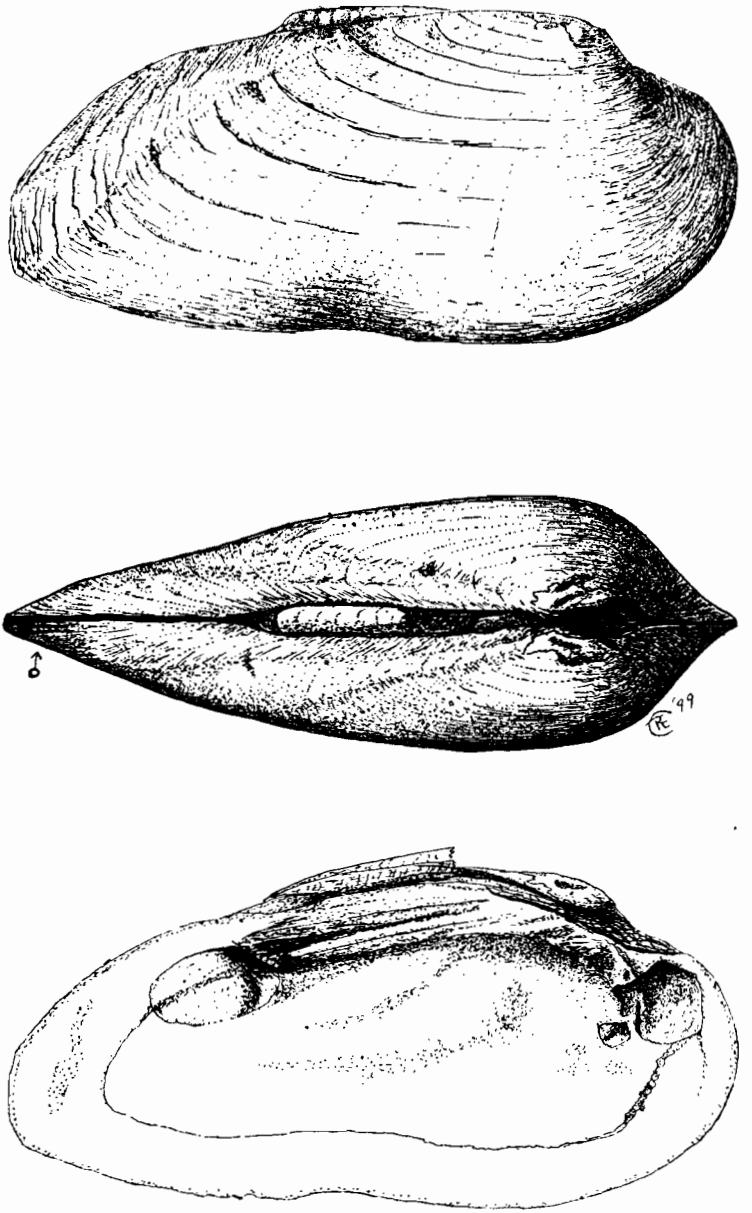
UNIO UNDULATUS Barnes.



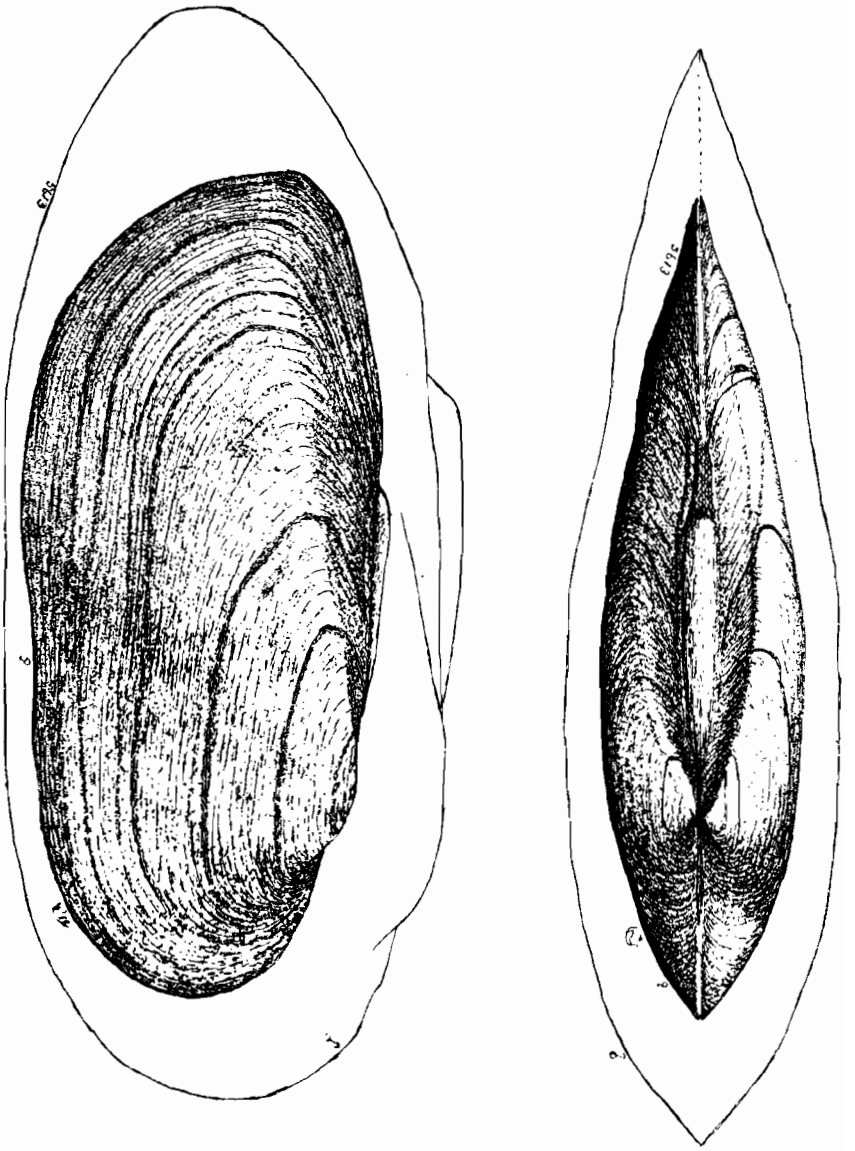
UNIO PLICATUS LeSueur.



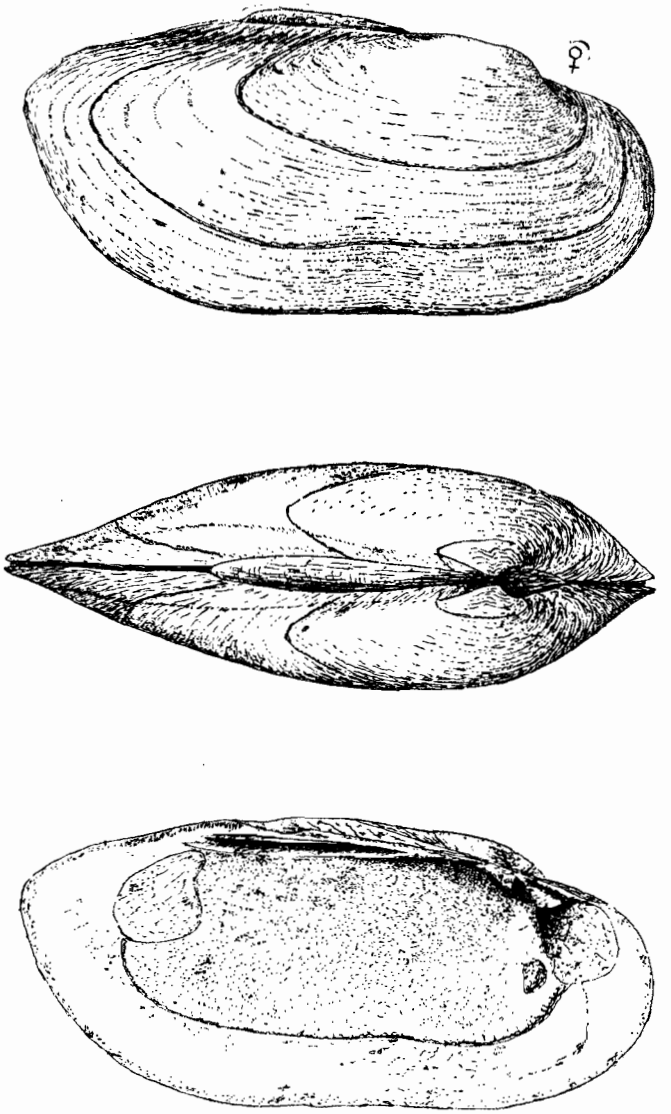
UNIO MULTIPLICATUS Lea. (Reduced.)



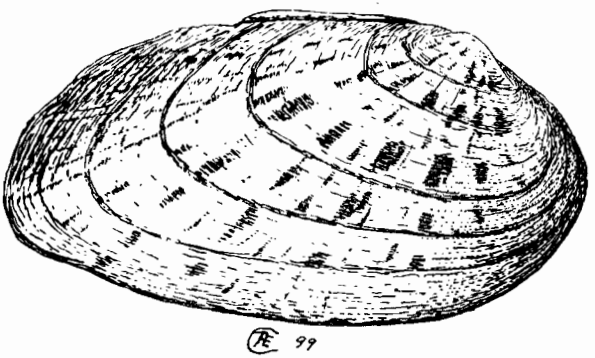
UNIO GIBBOSUS Barnes.

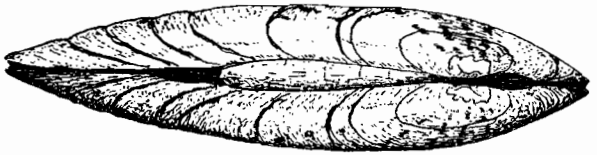


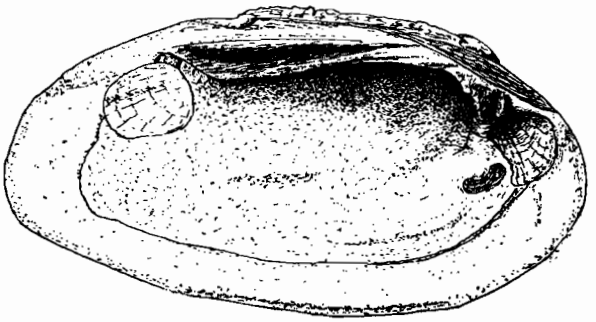
UNIO RECTUS Lamarck.



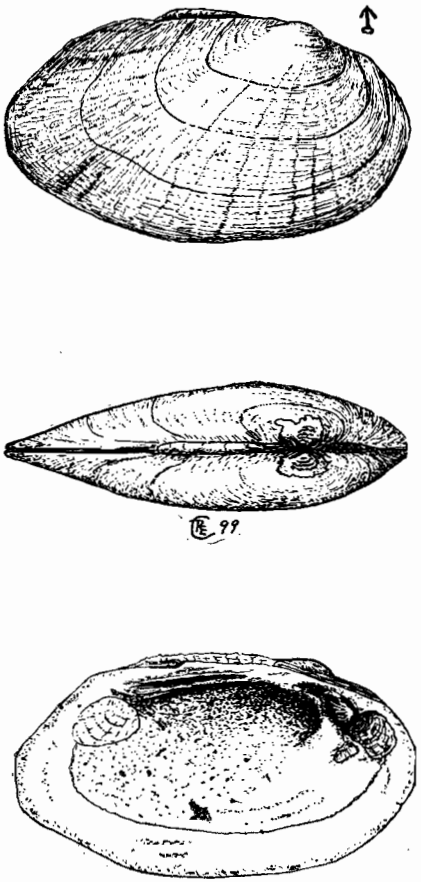
UNIO TERES Rafinesque.



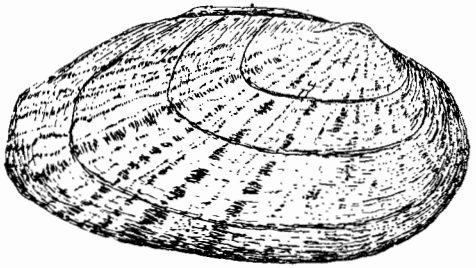


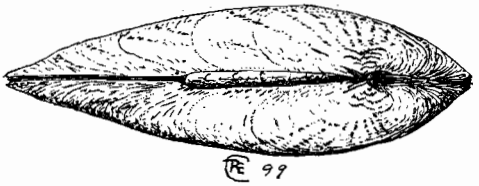


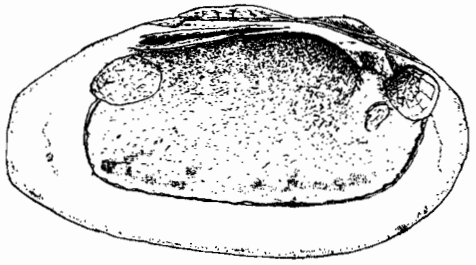
UNIO PHASEOLUS Hildreth.



UNIO SPATULATUS Lea.







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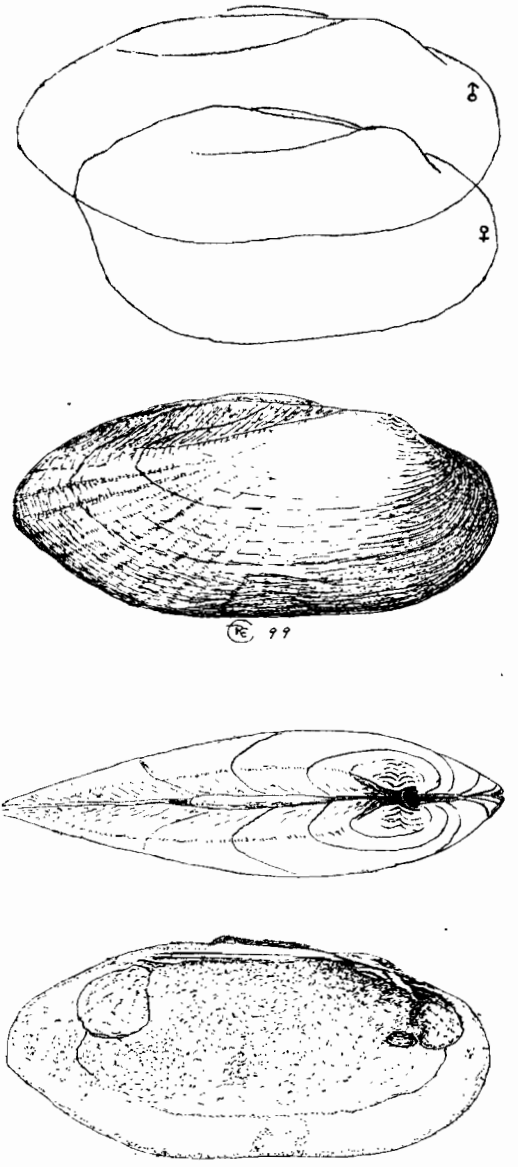
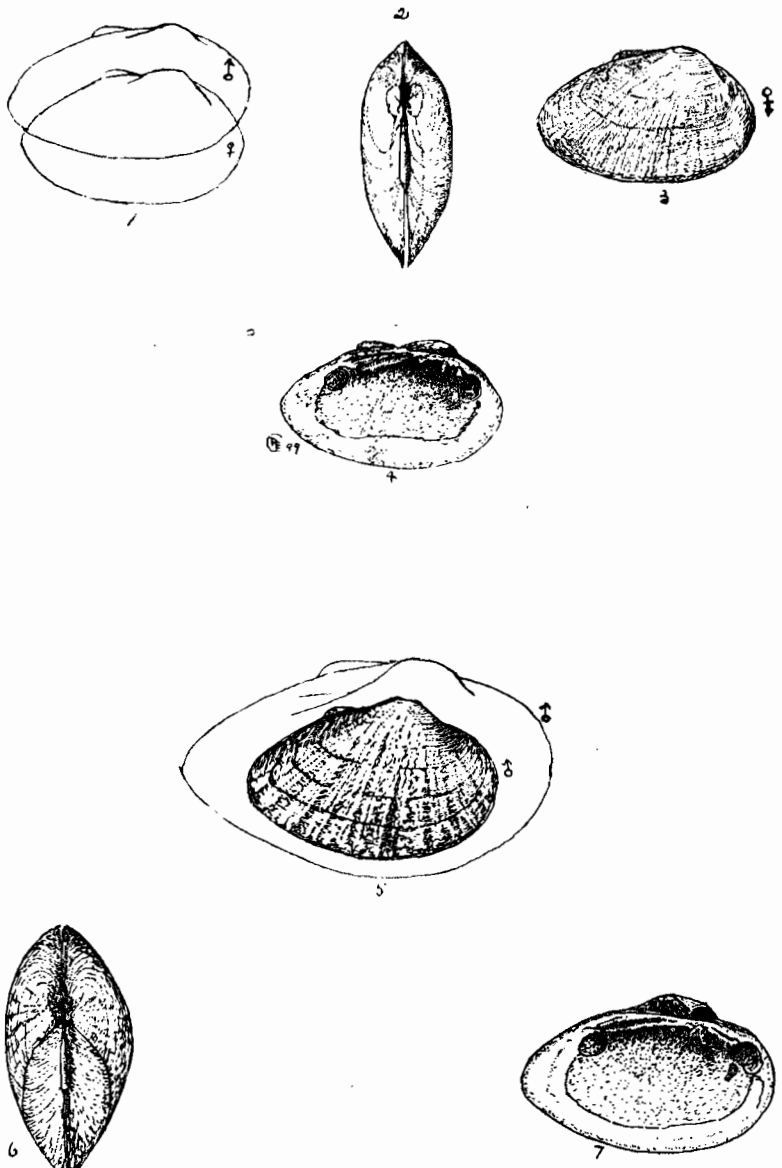


UNIO SUBROSTRATUS Say.



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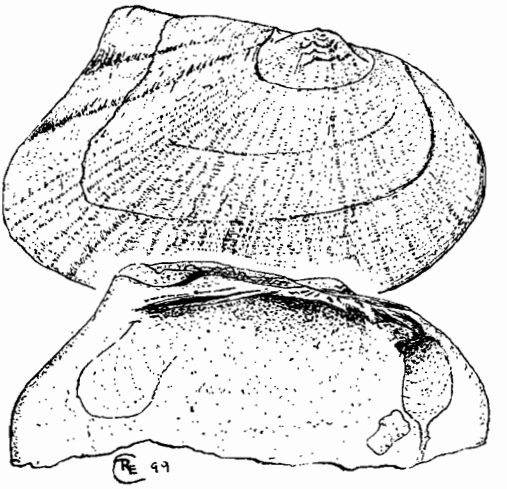
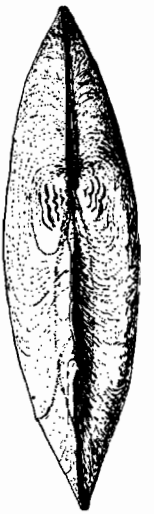
5-7, UNIO DONACIFORMIS Lea.





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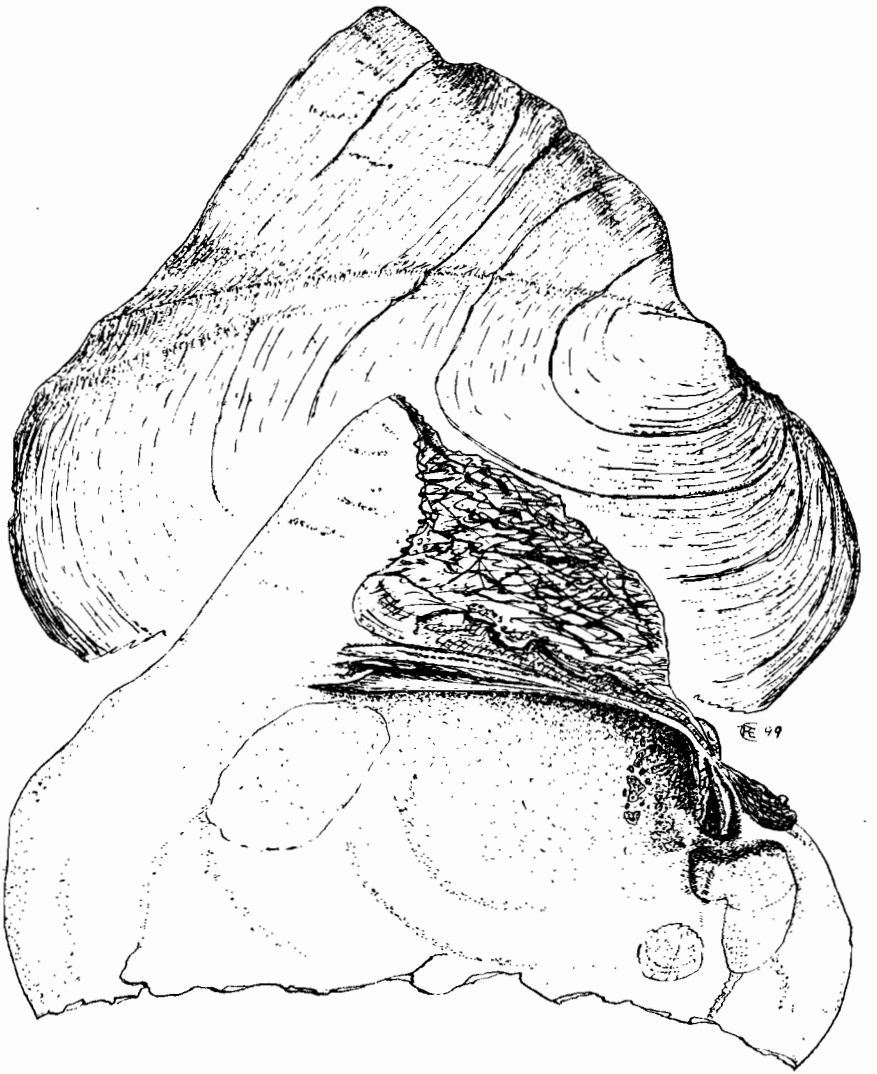

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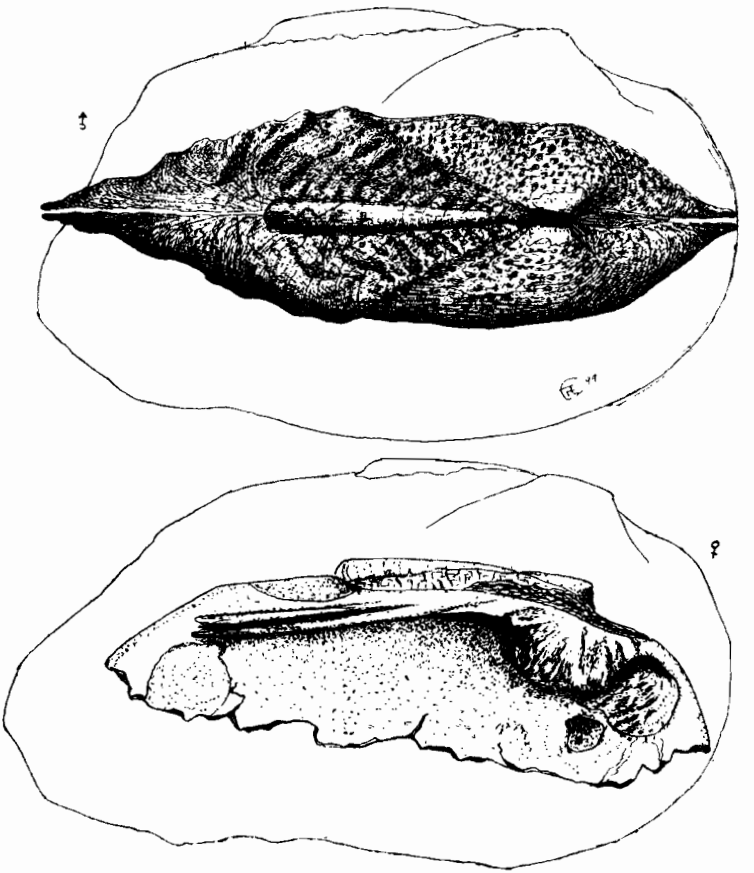
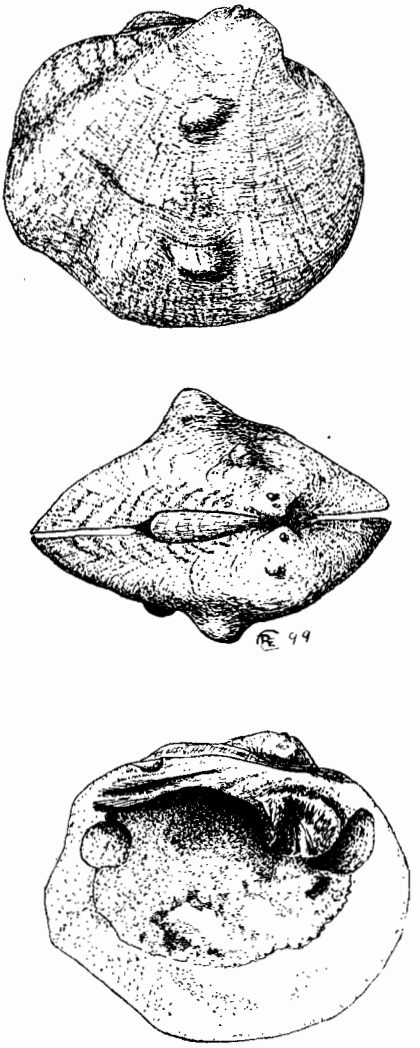
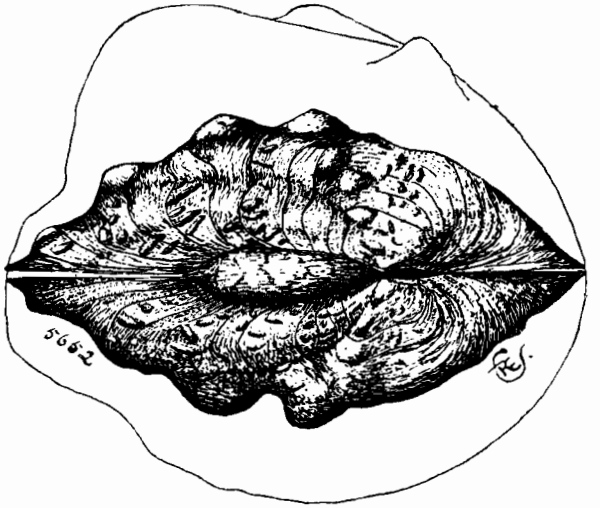
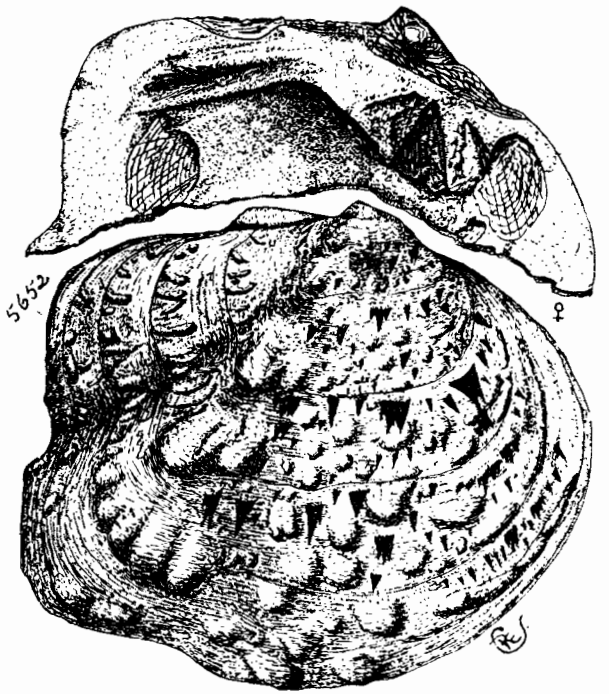


UNIO TUBERCULATUS Barnes.

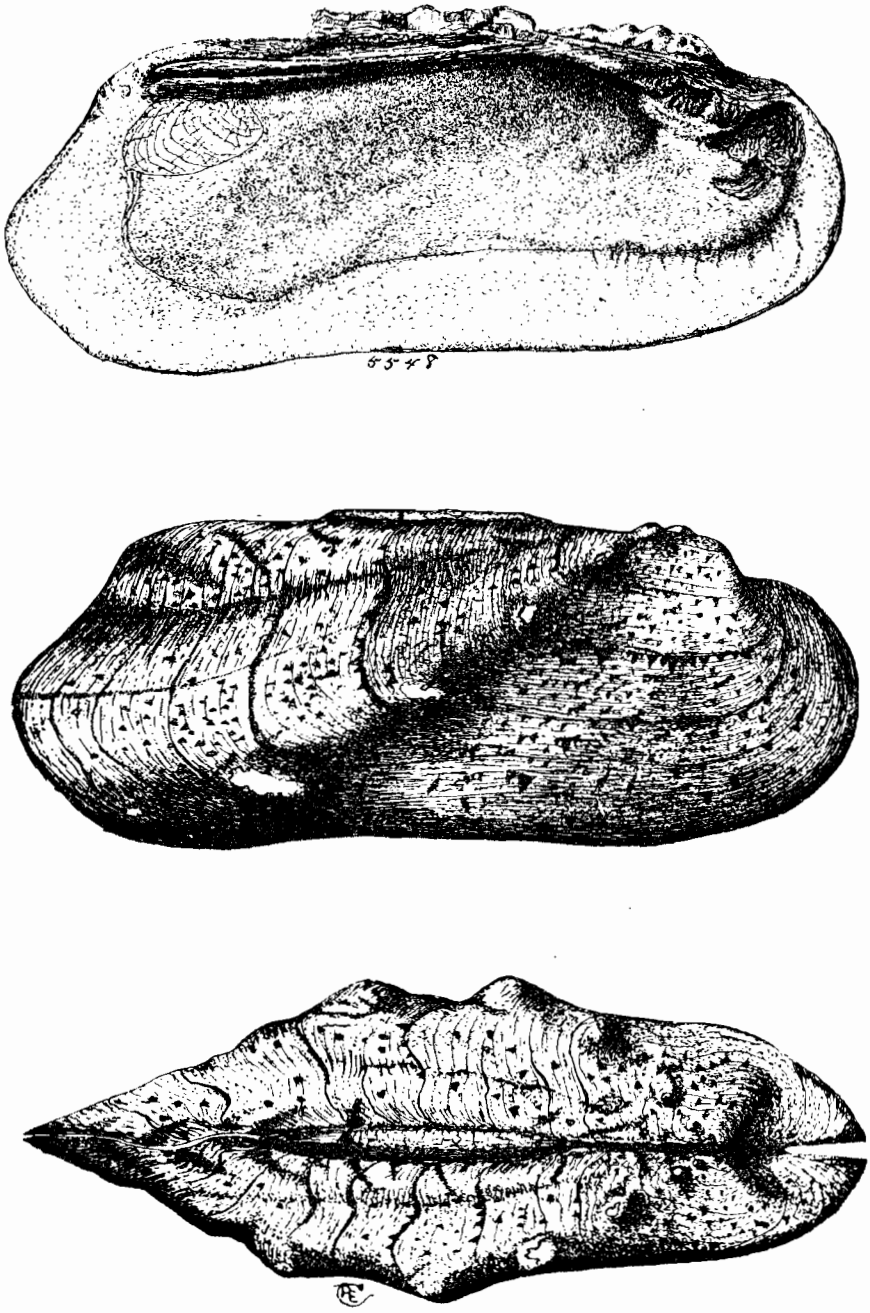


UNIO CORNUTUS Barnes.





UNIO METANEVRUS Raf.



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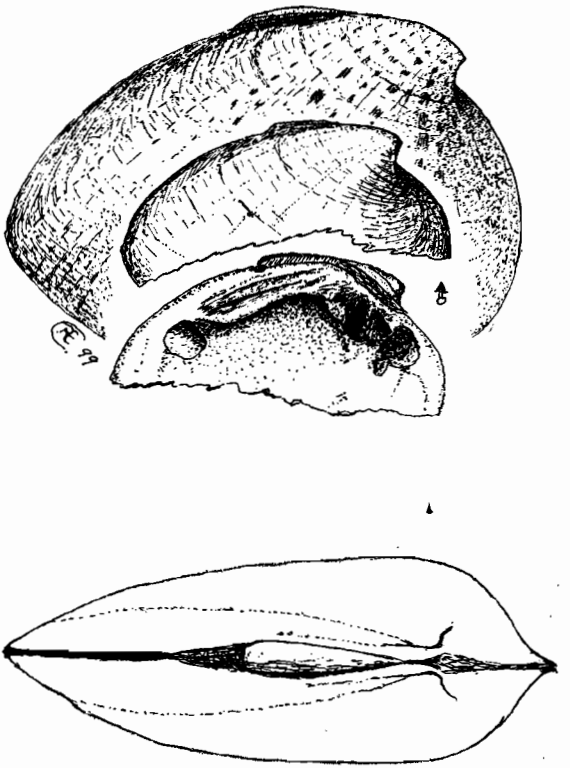

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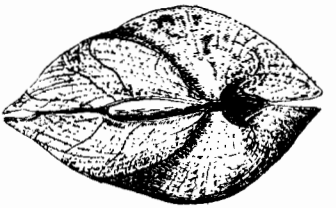

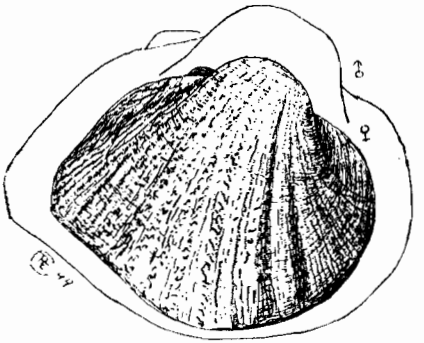

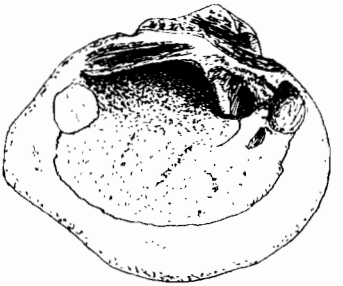

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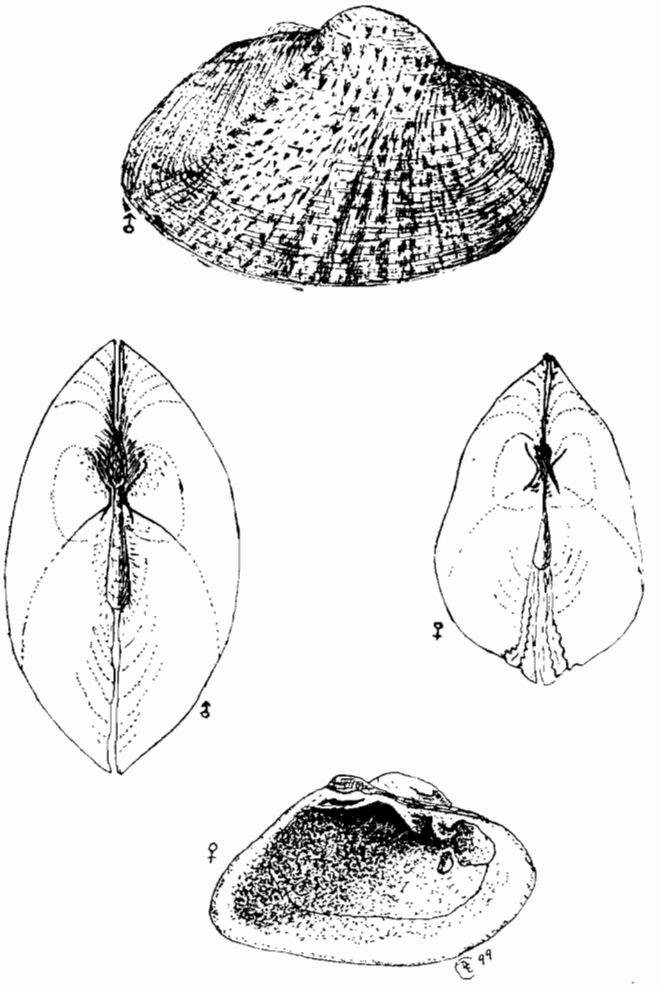

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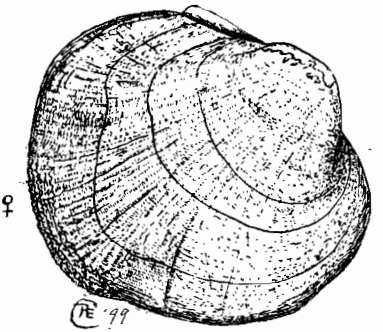

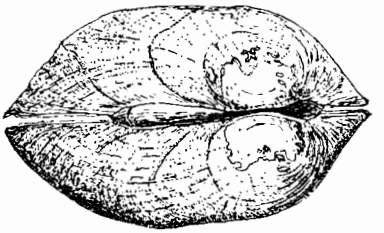

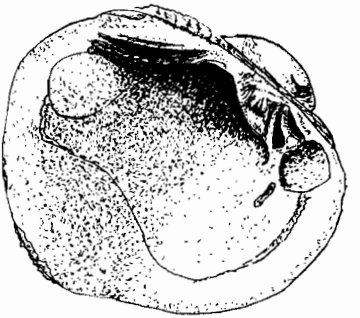

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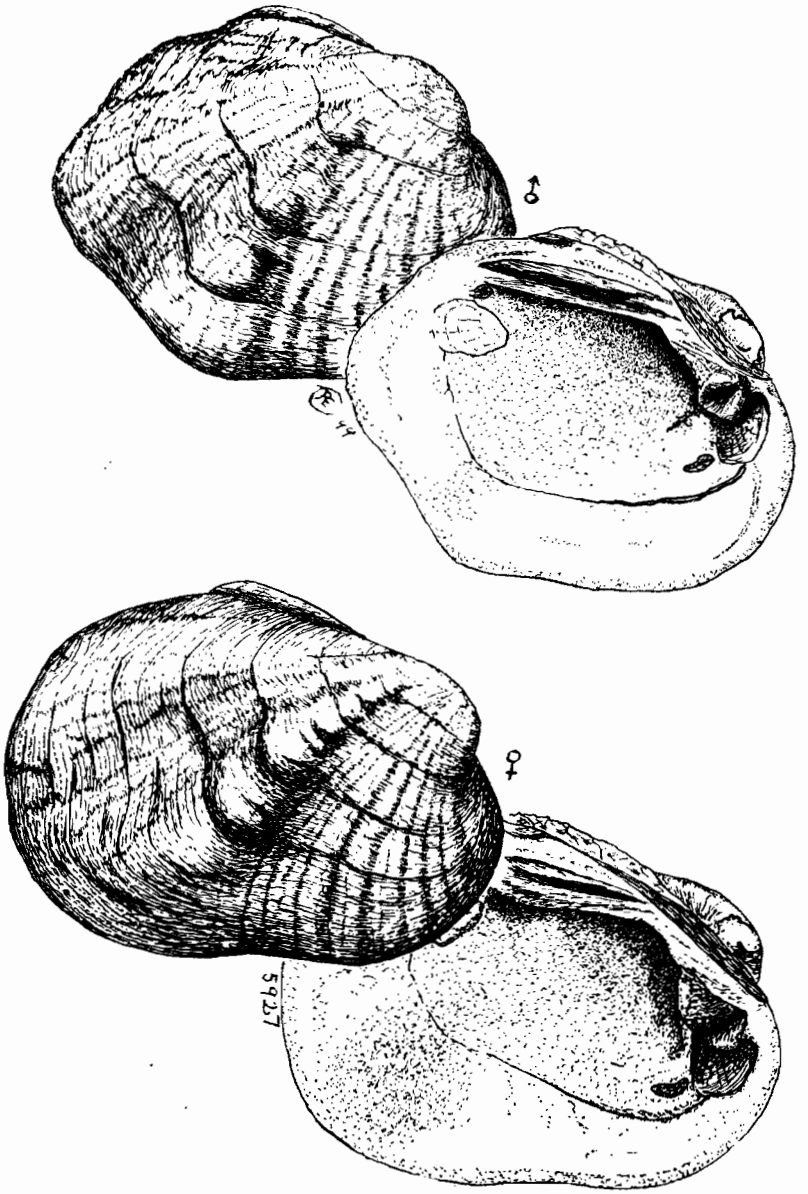

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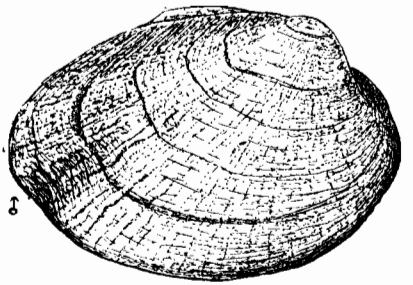

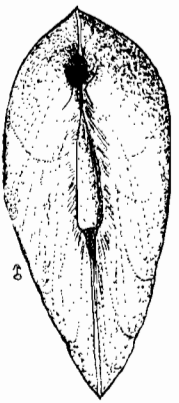

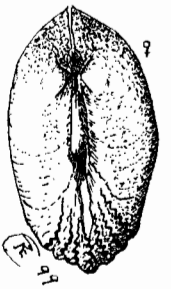

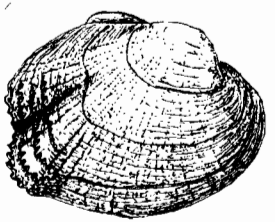

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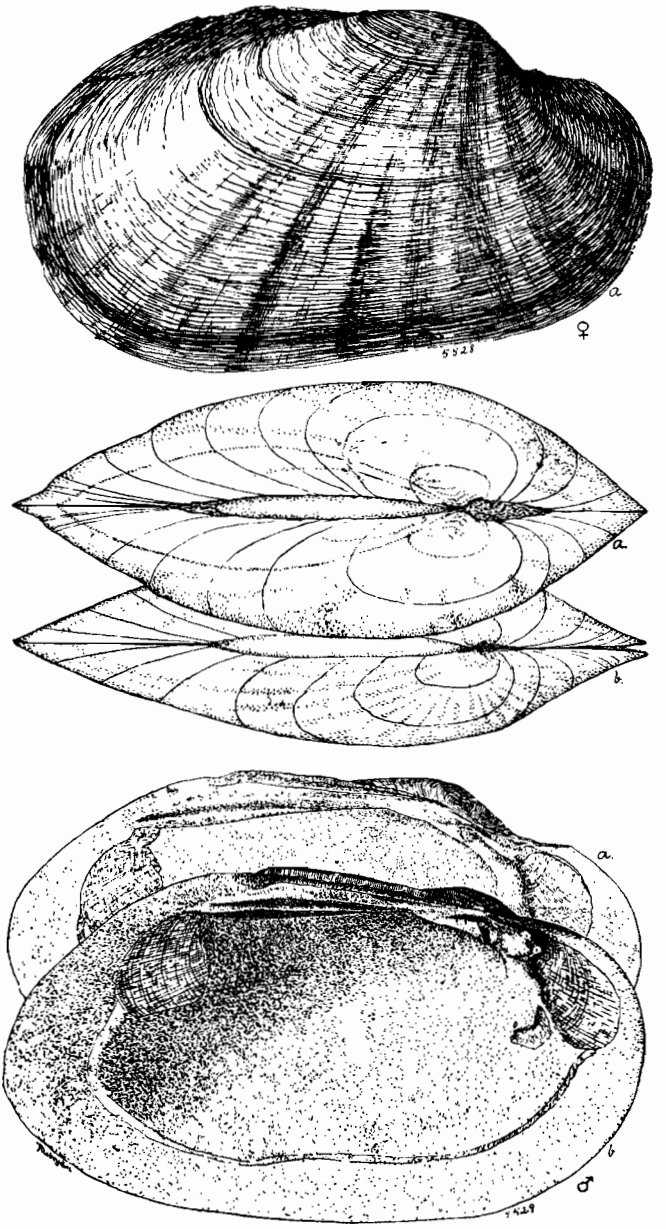

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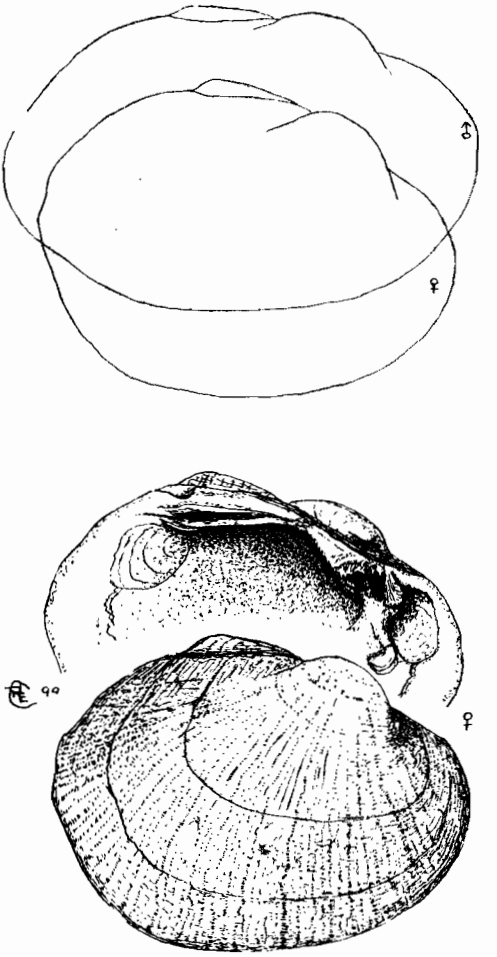

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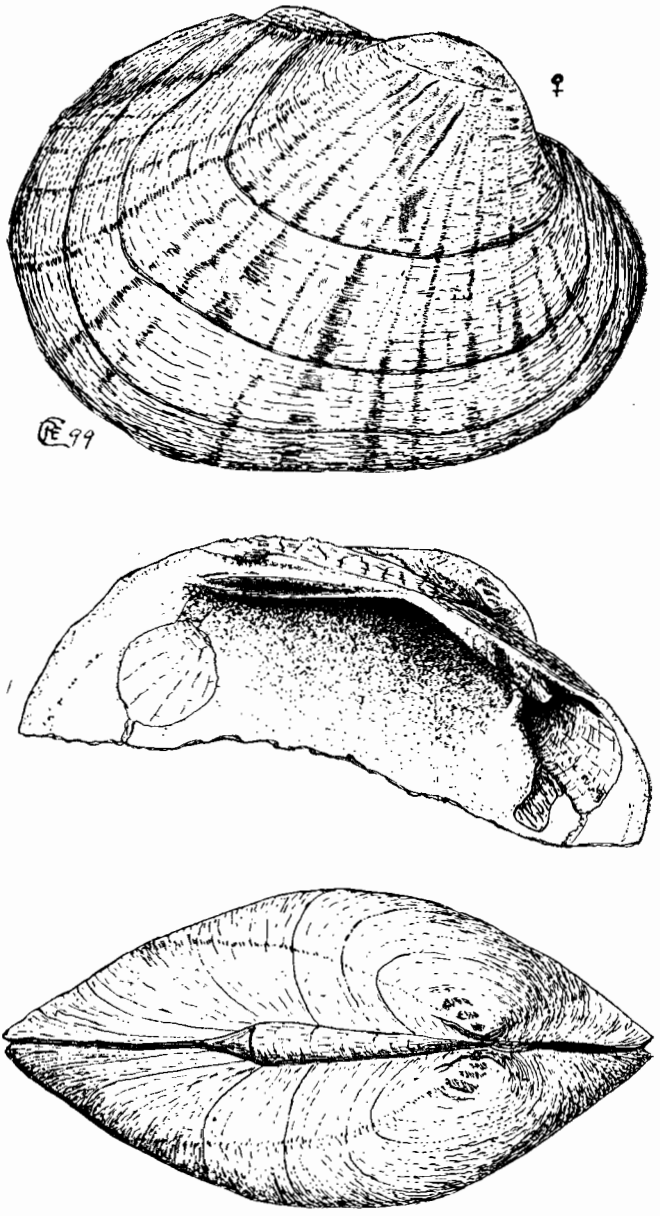

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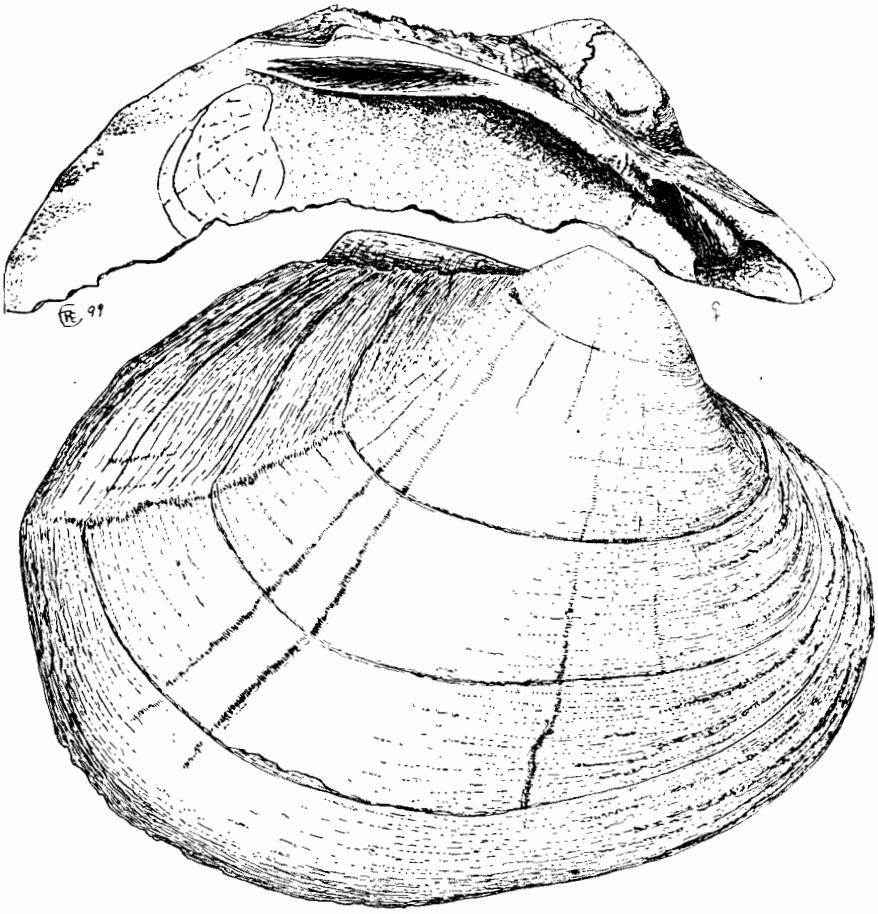

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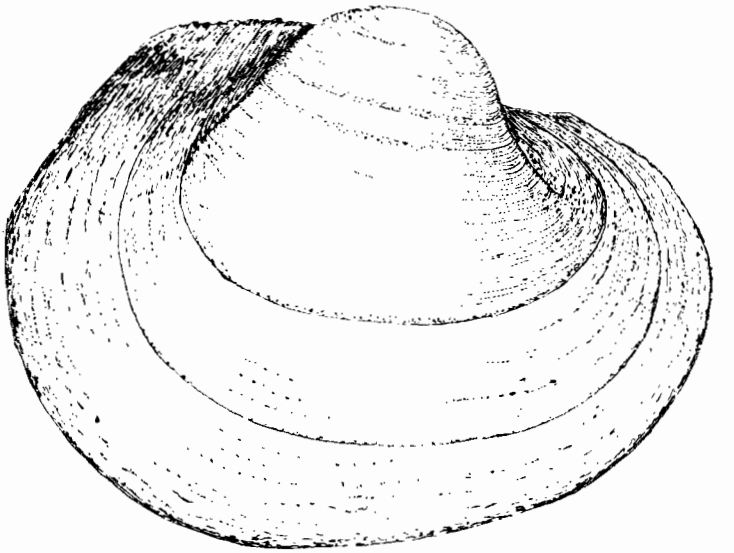

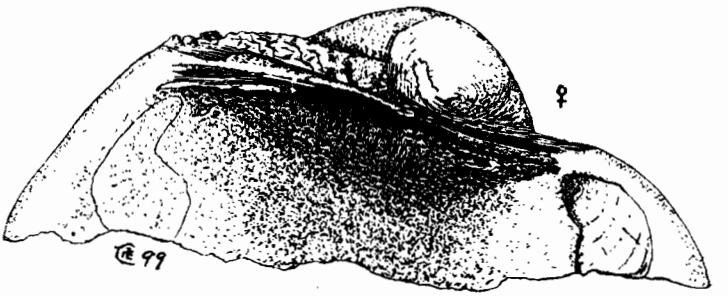

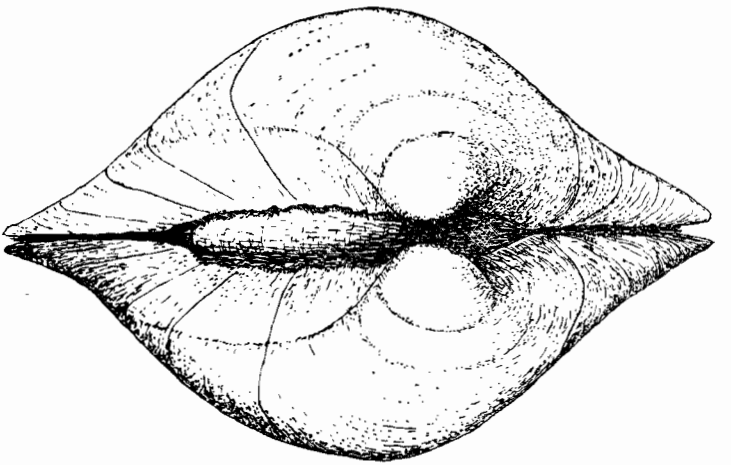

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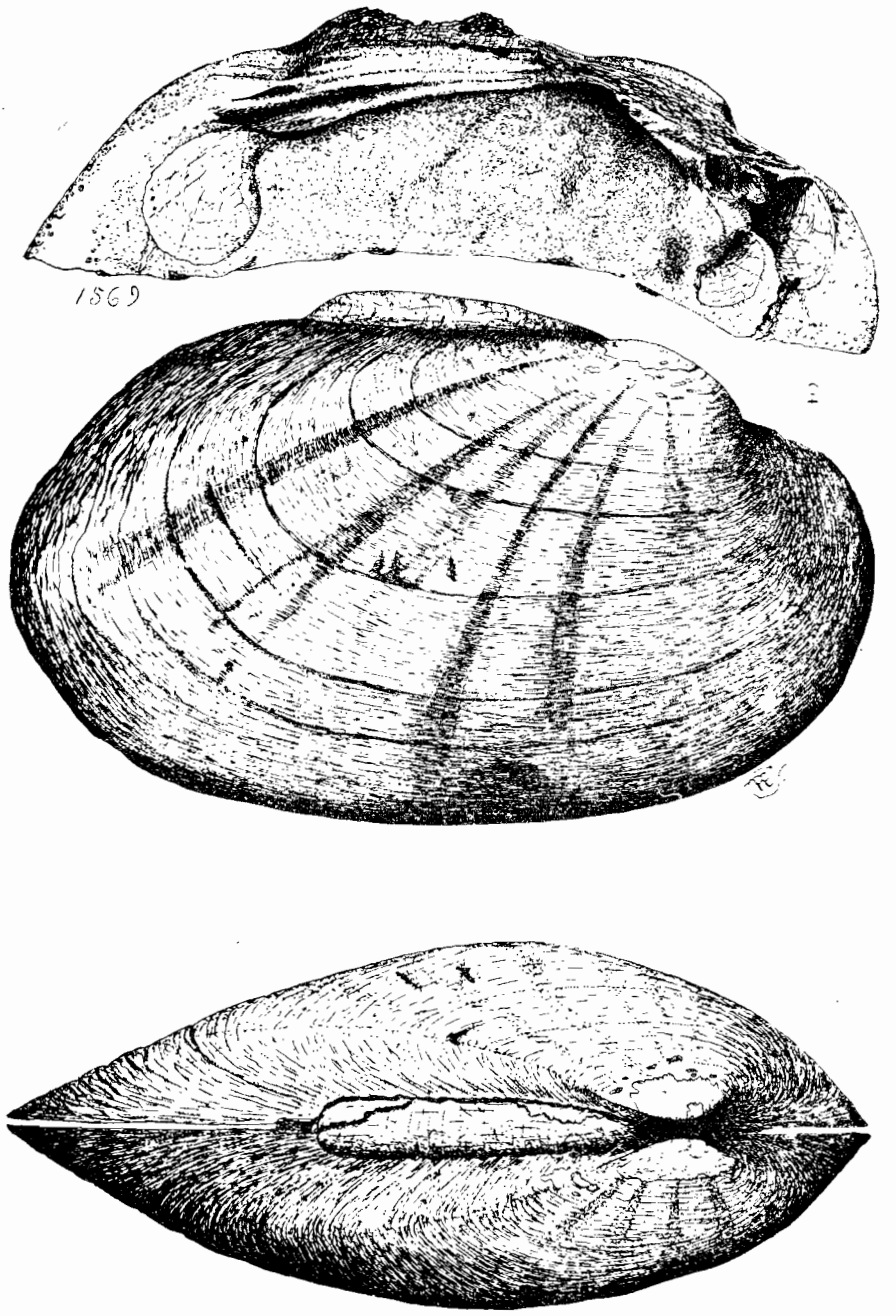

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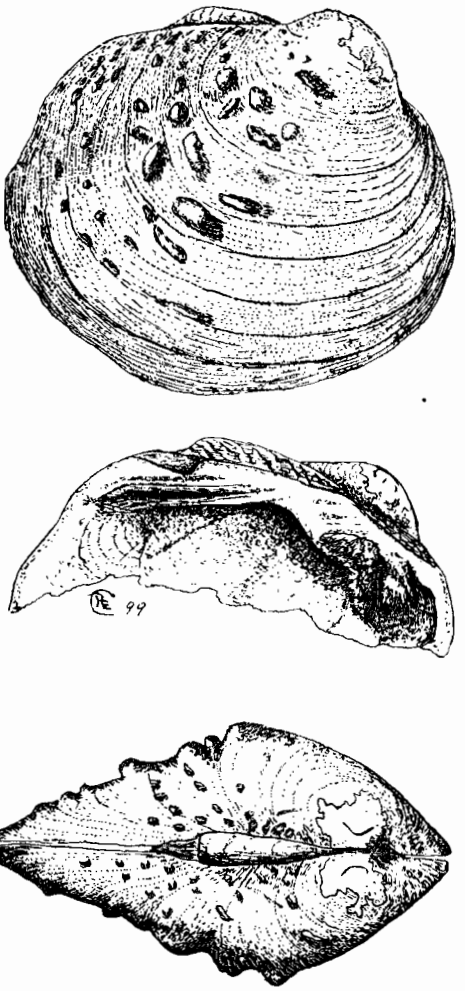

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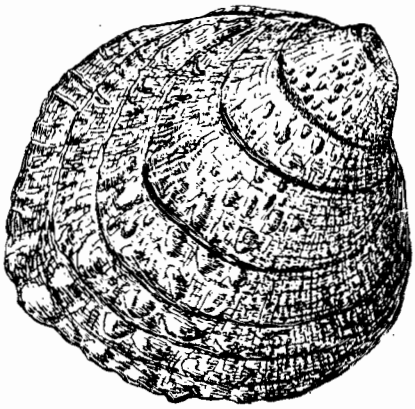

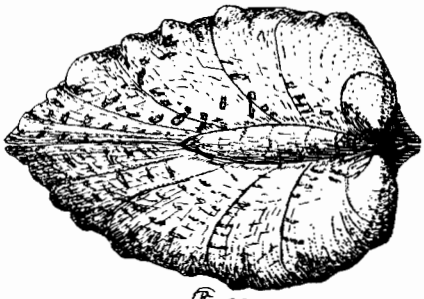

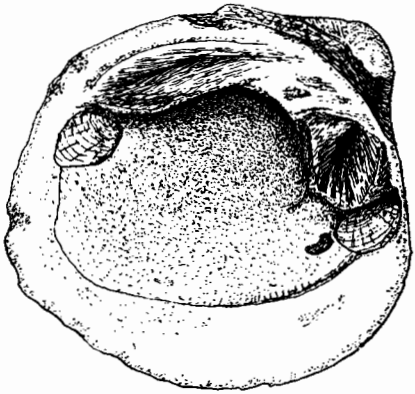

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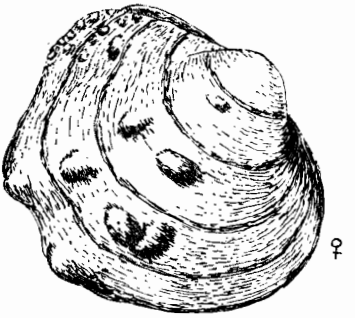

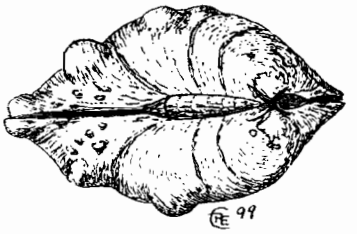

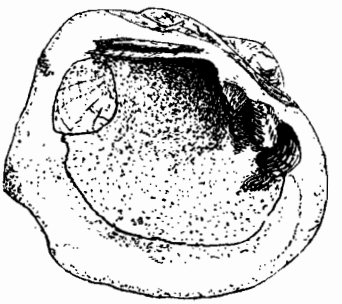

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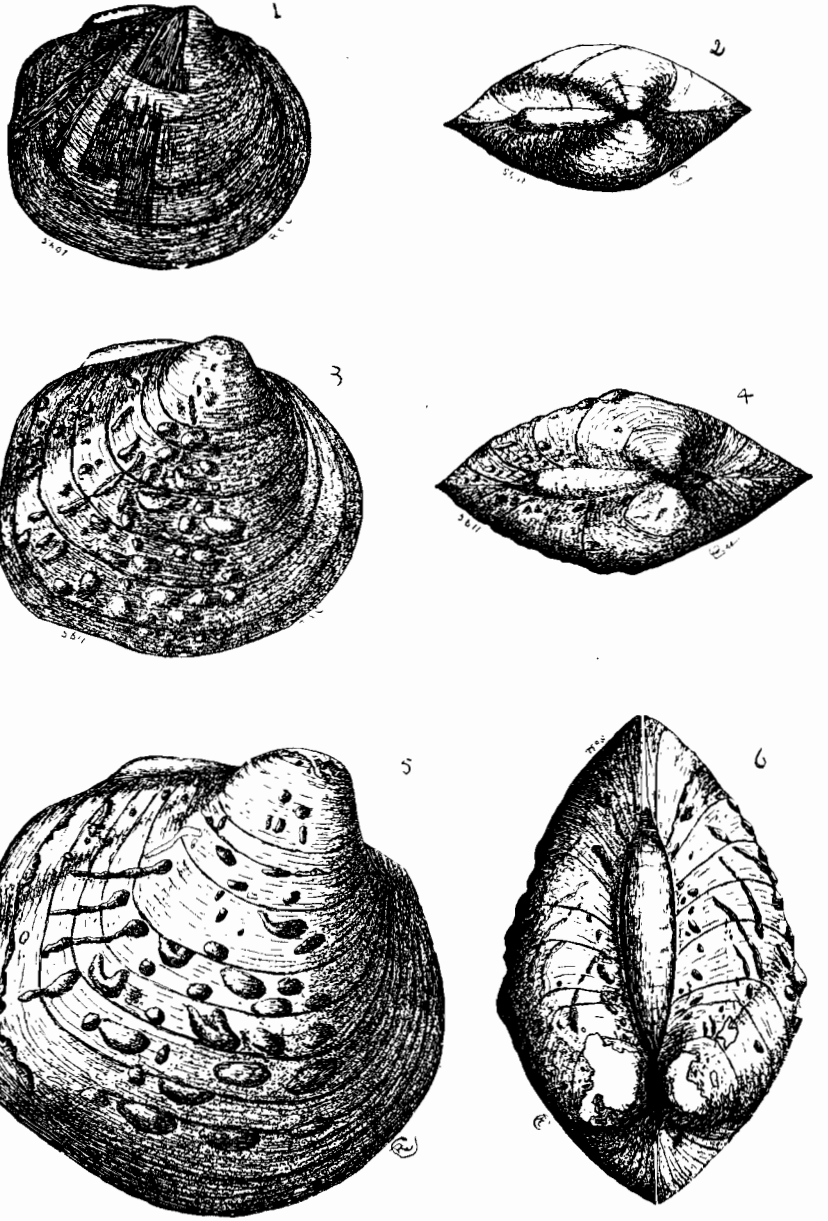

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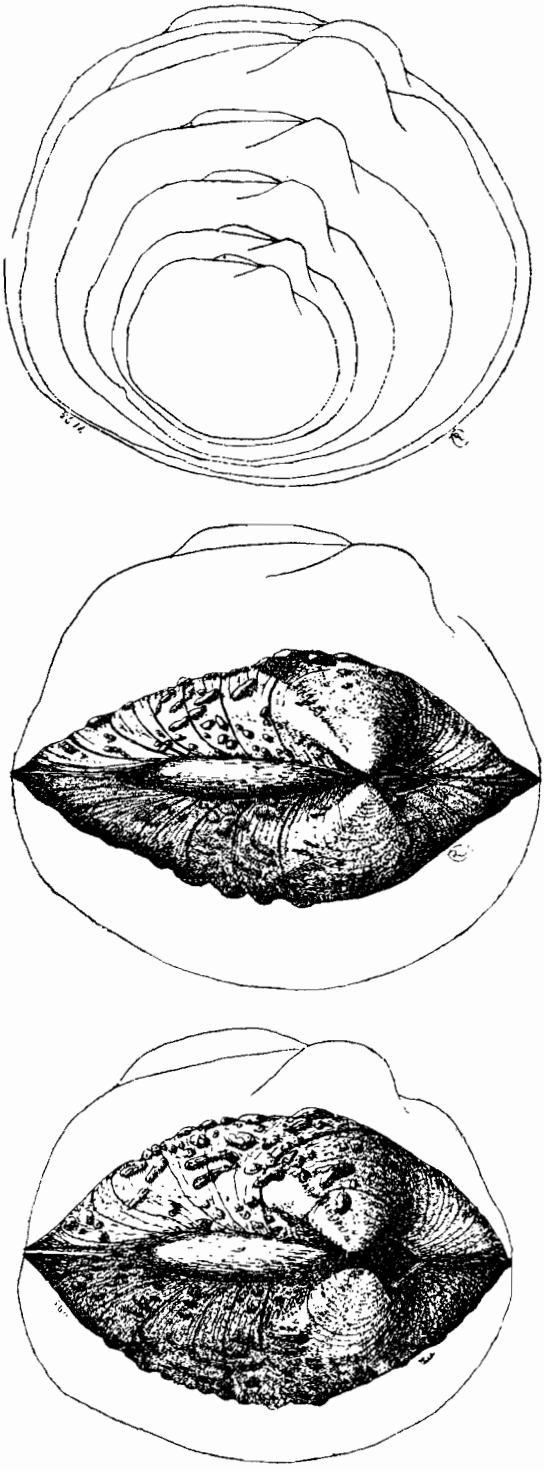

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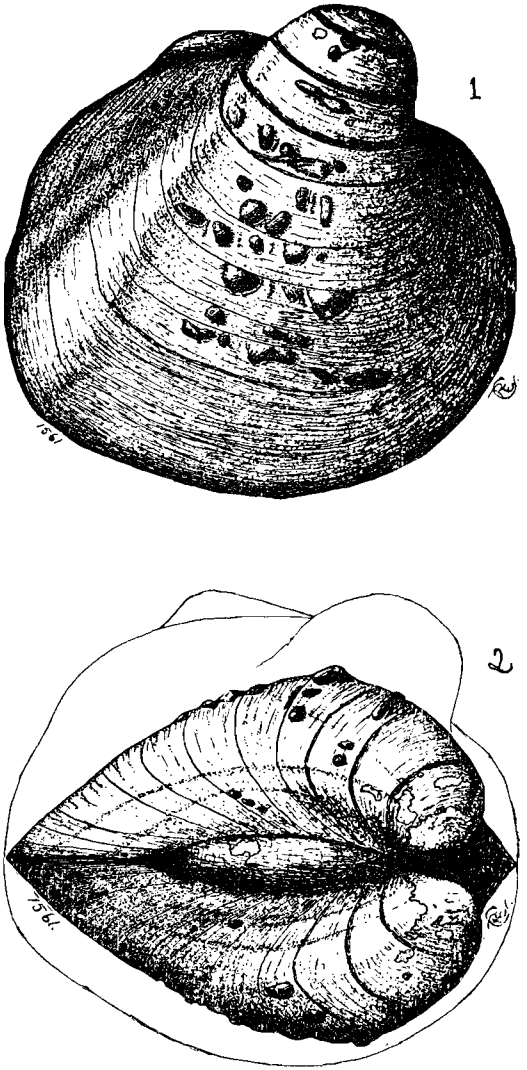

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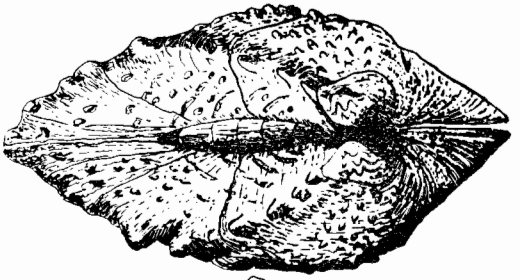

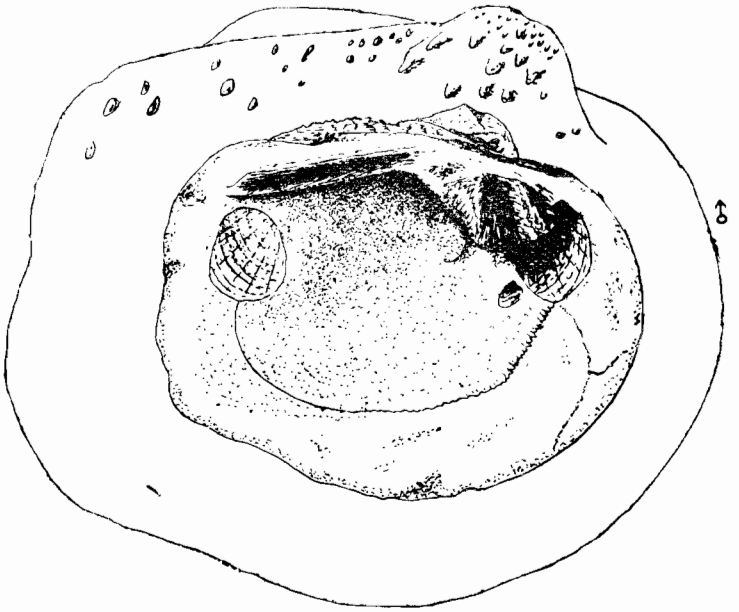

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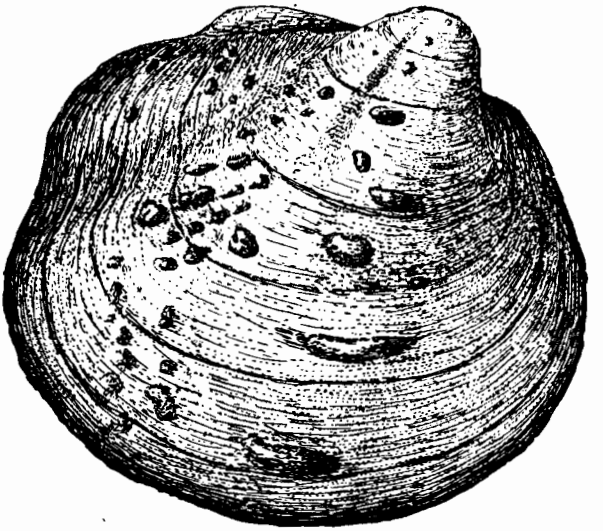

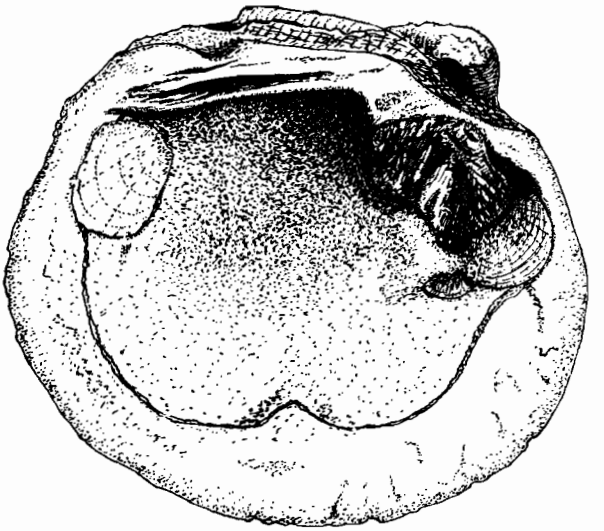

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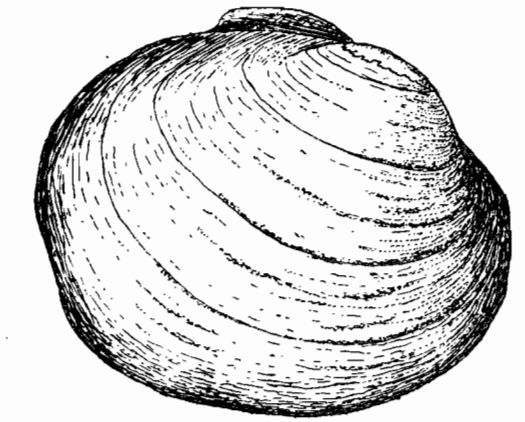

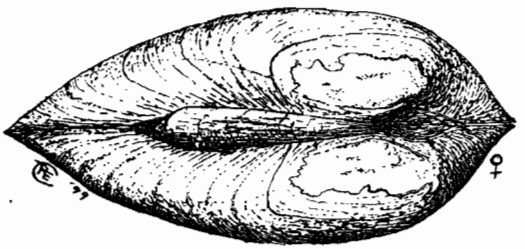

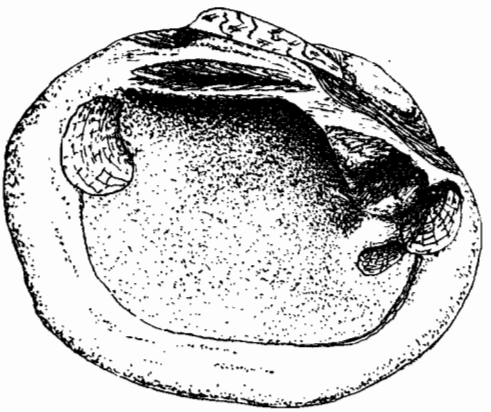

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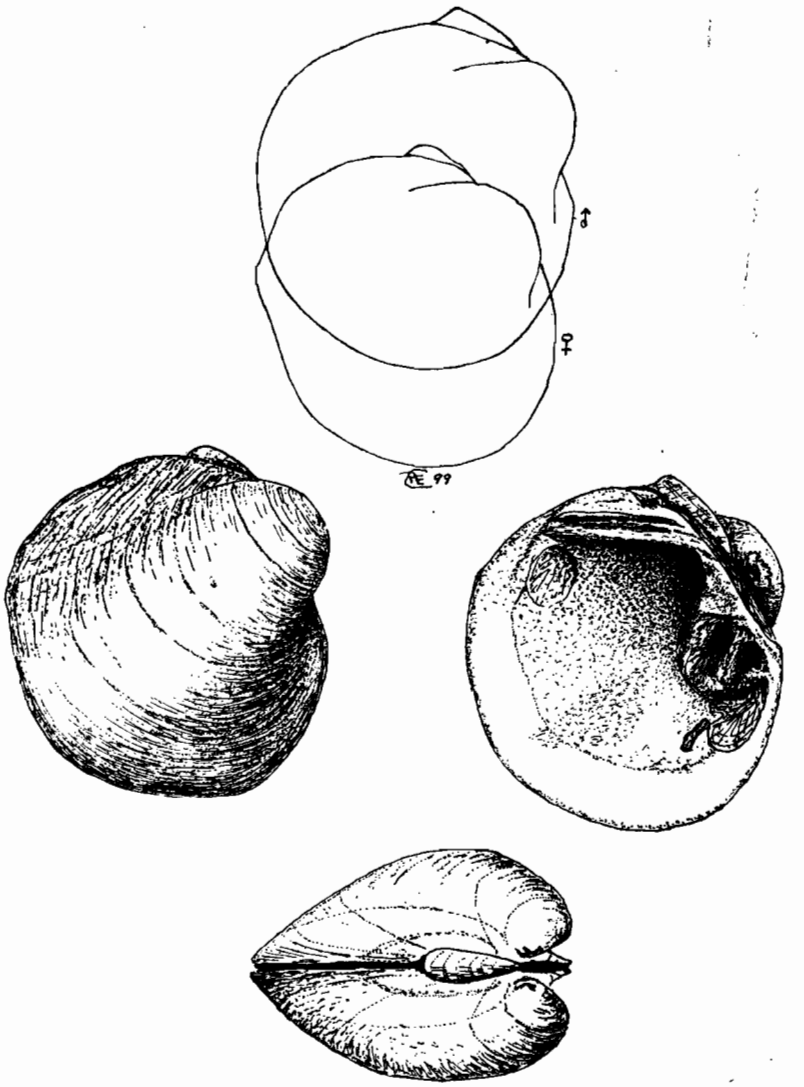

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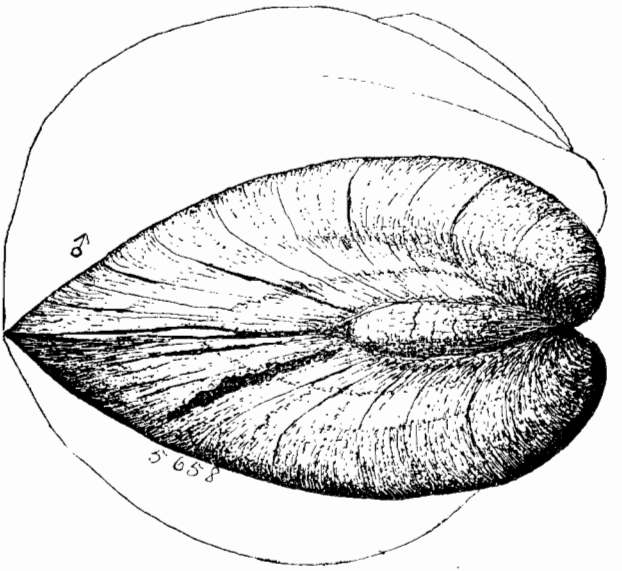

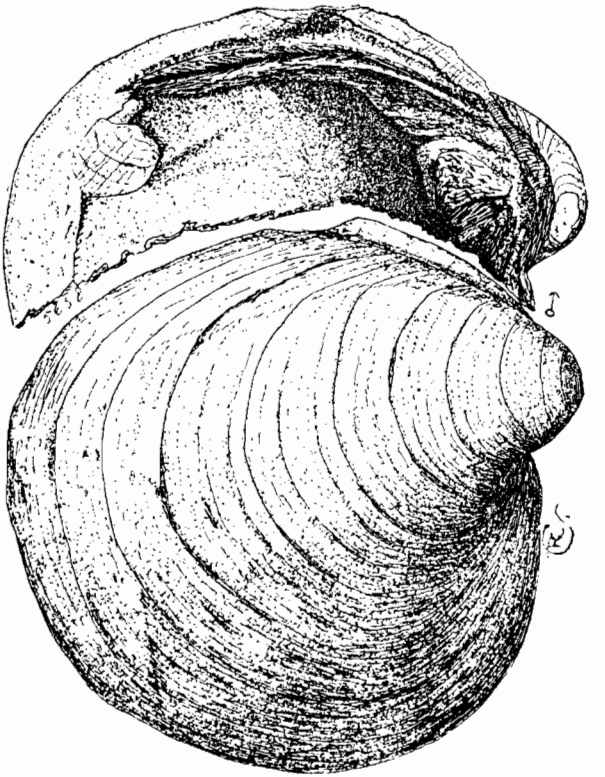

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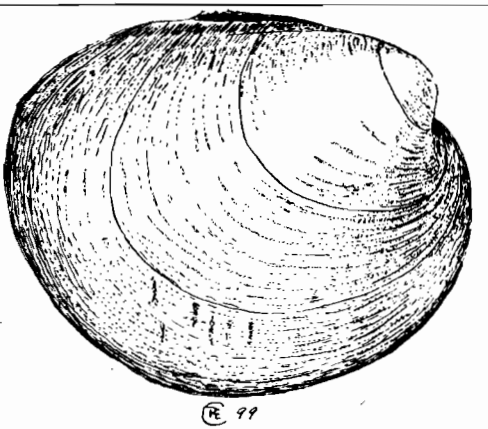

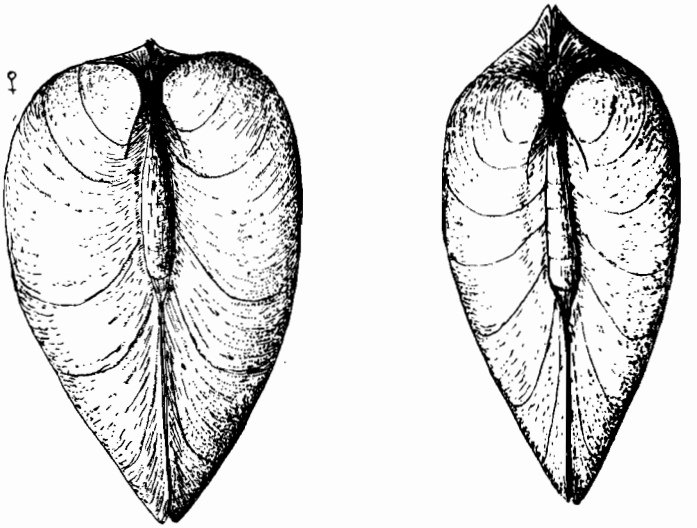

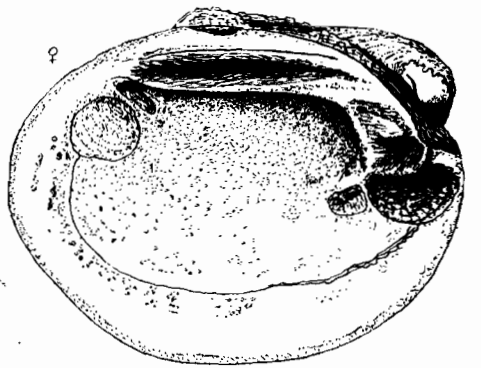

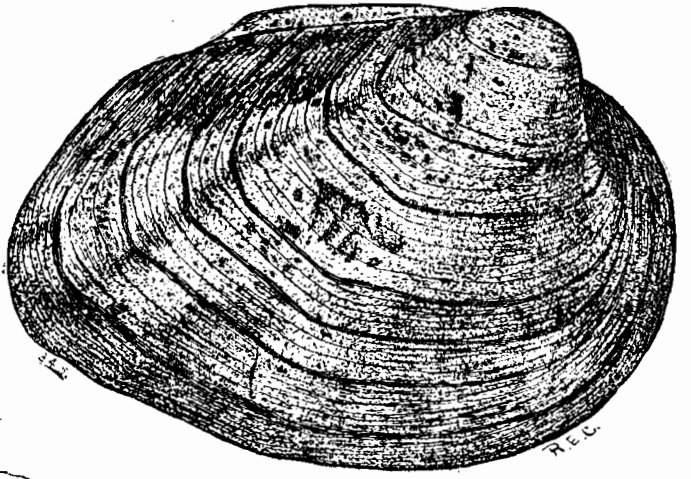

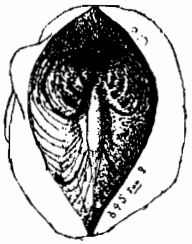

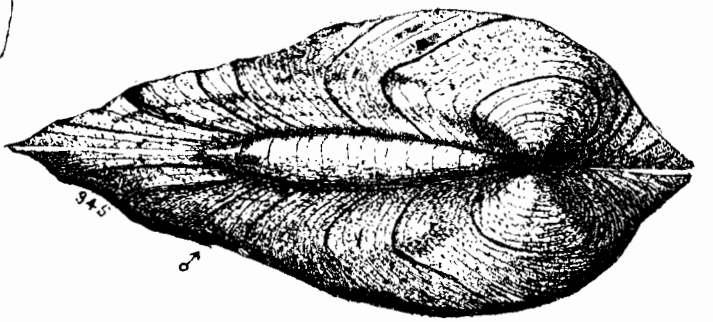

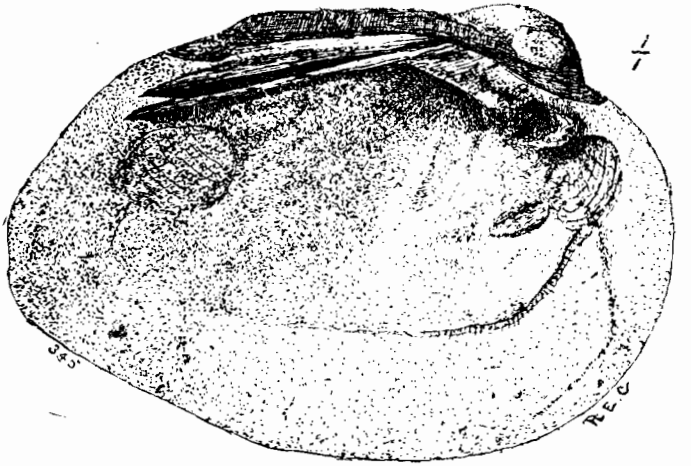

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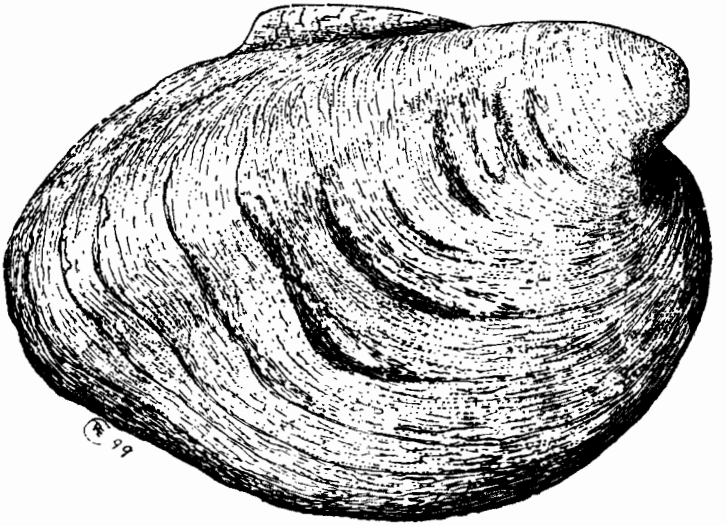

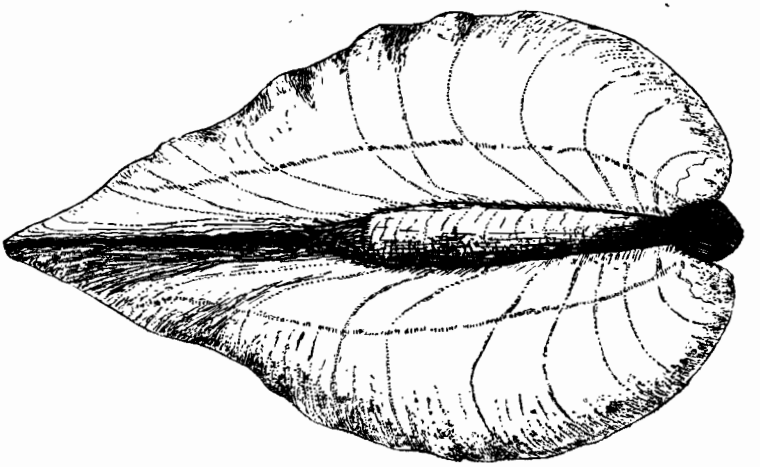

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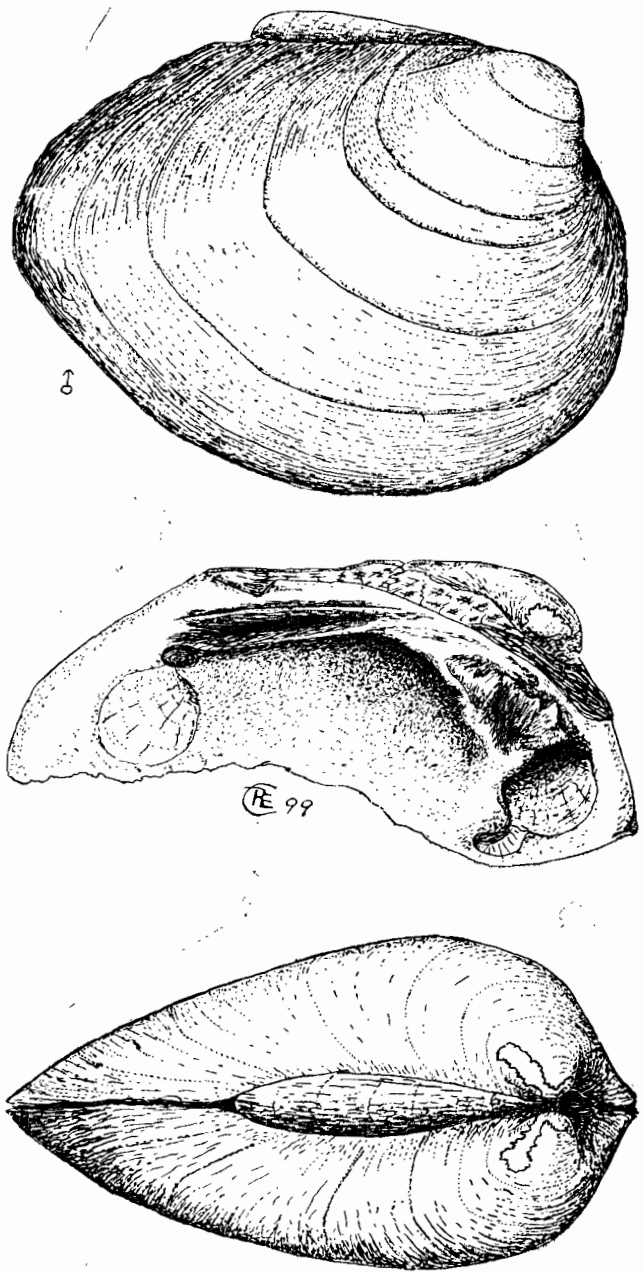

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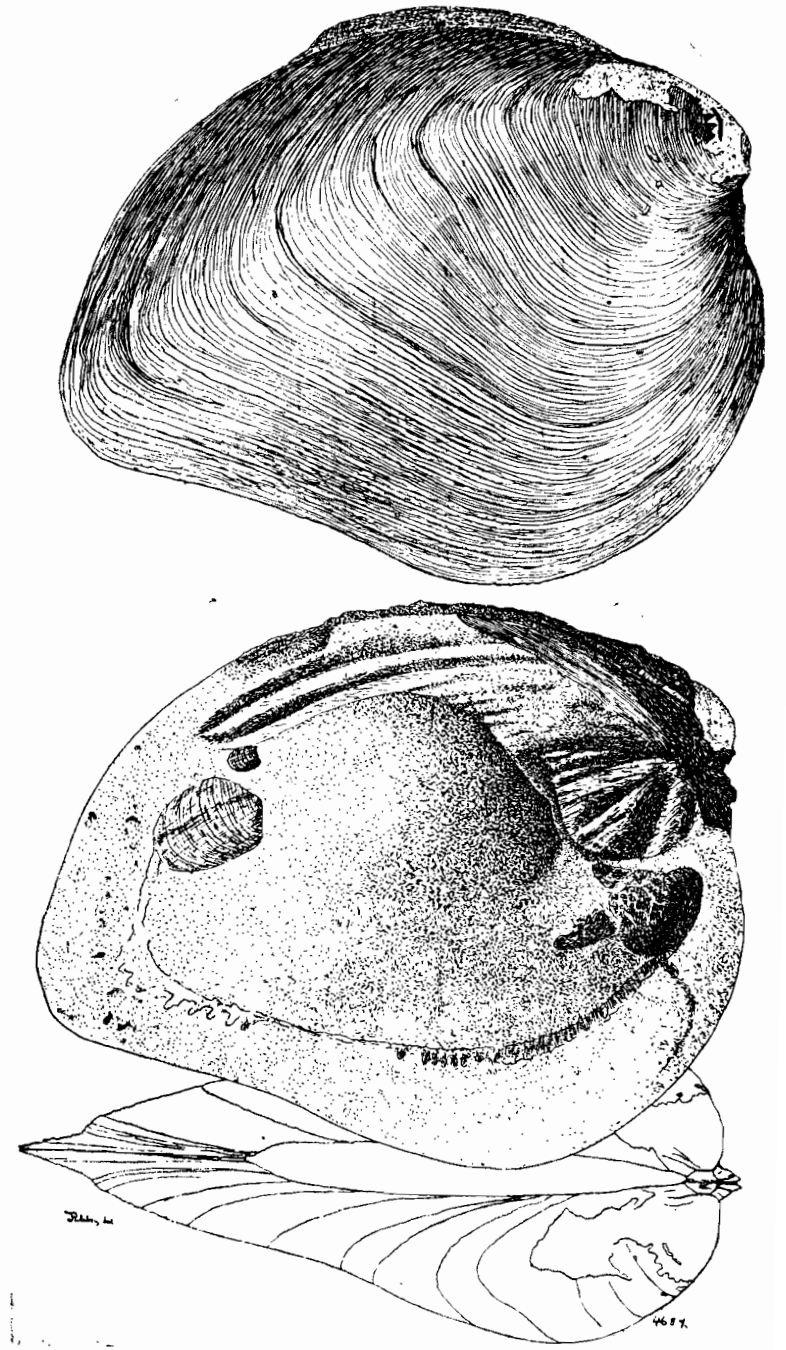

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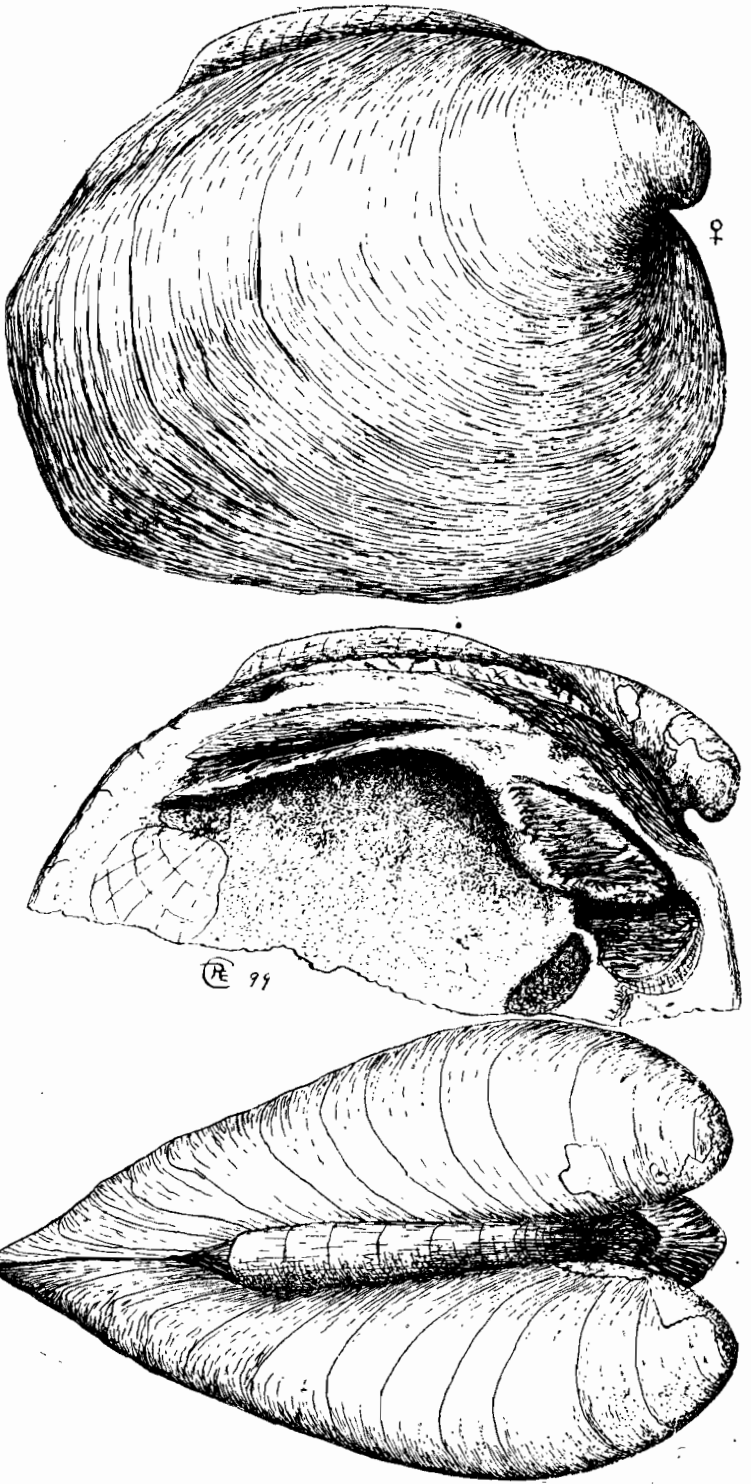

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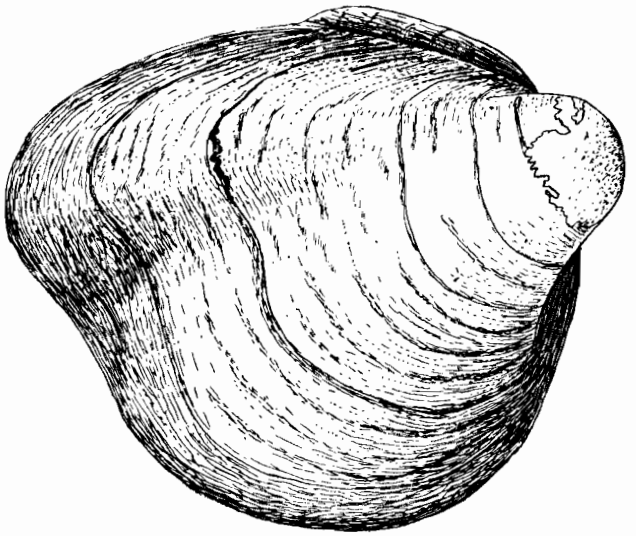

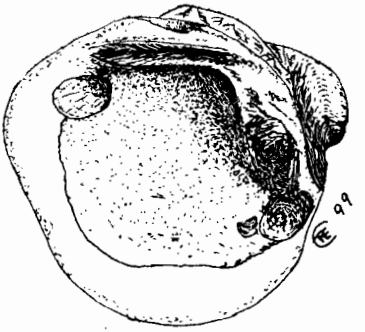

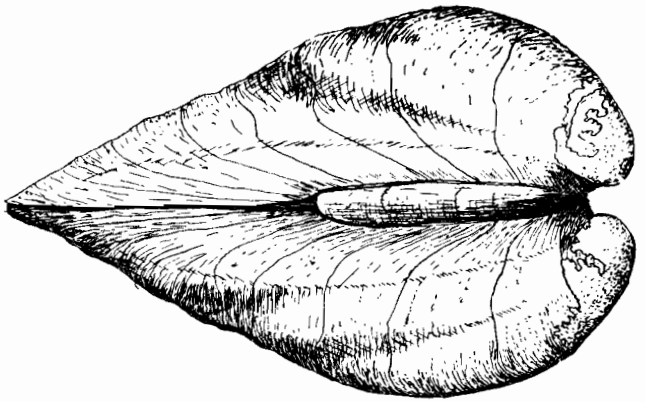

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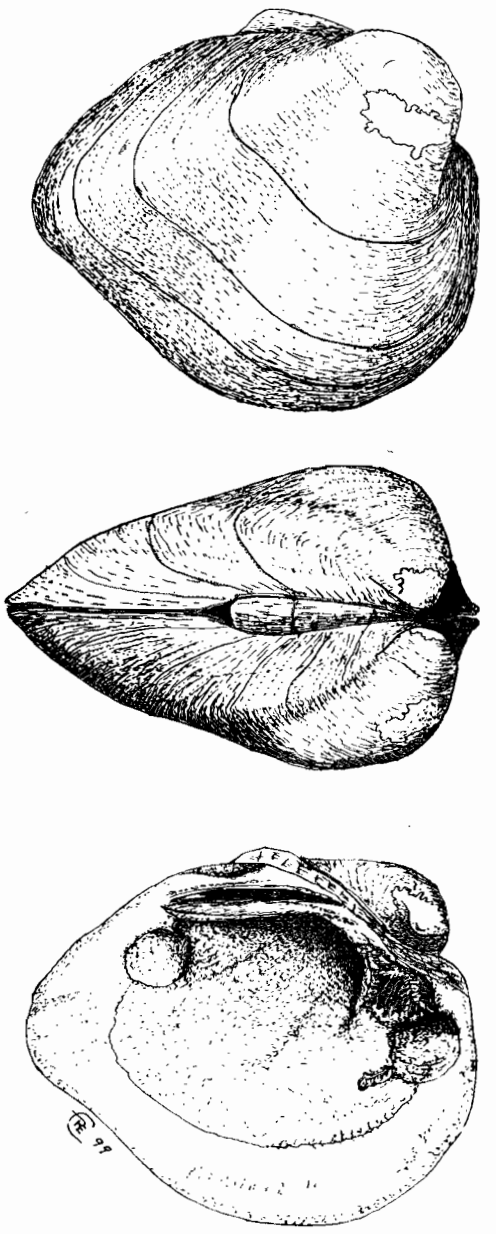

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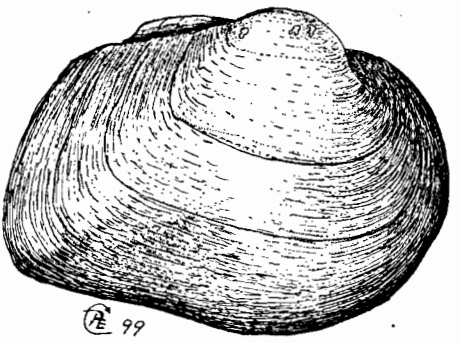

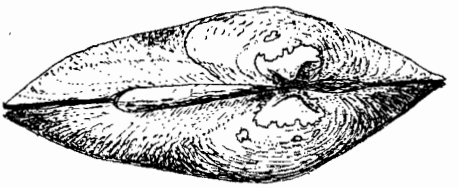

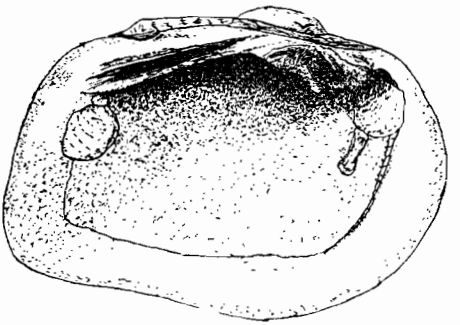

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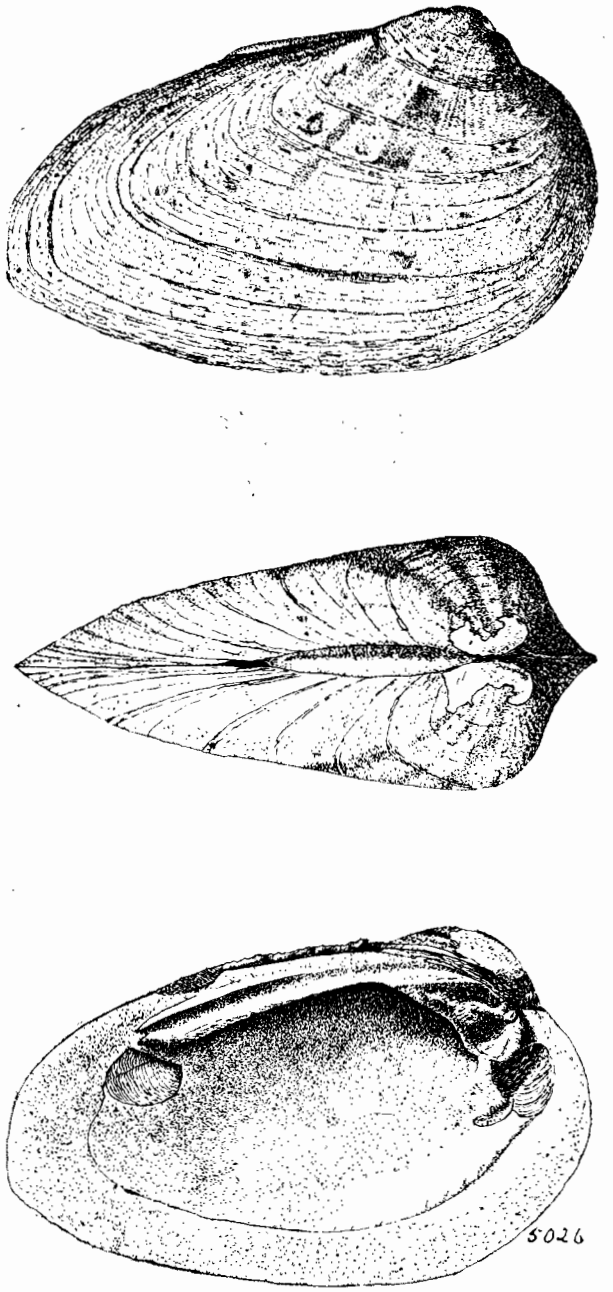

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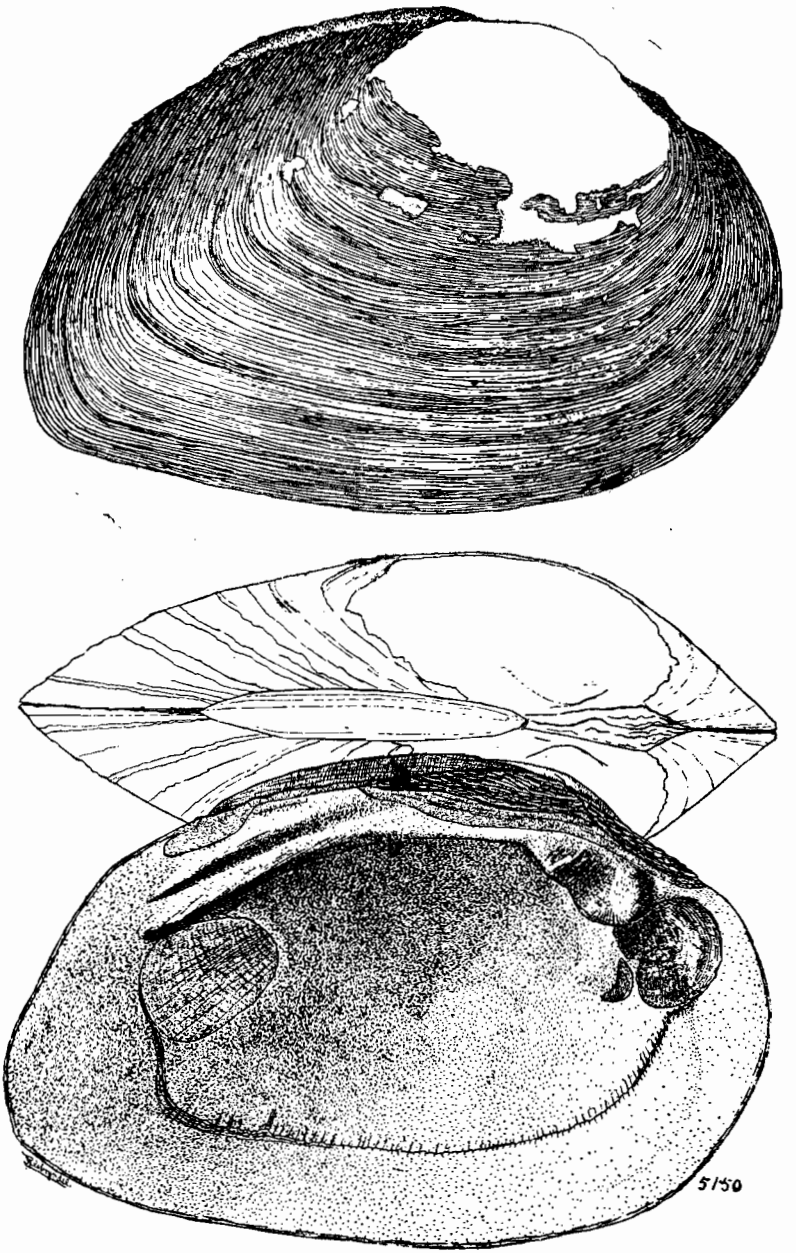

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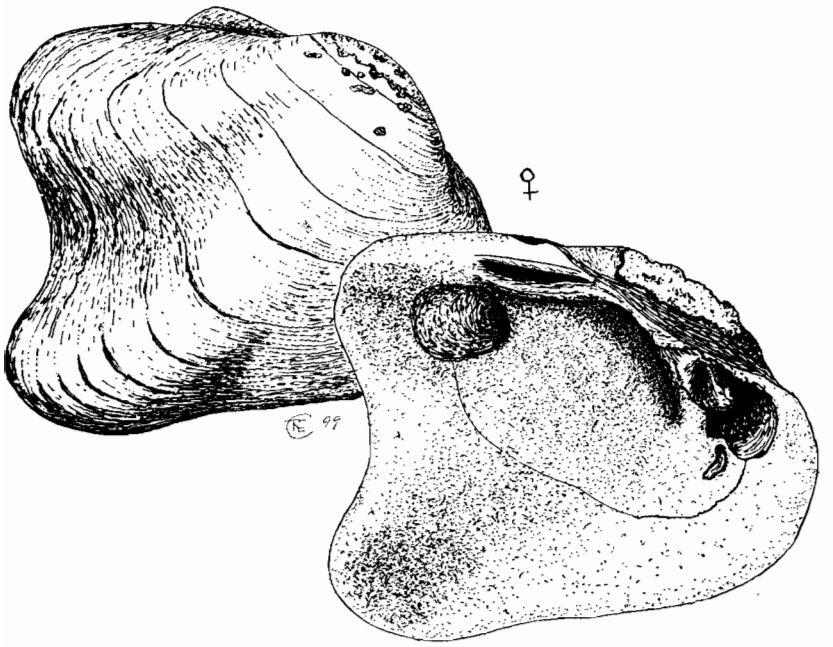

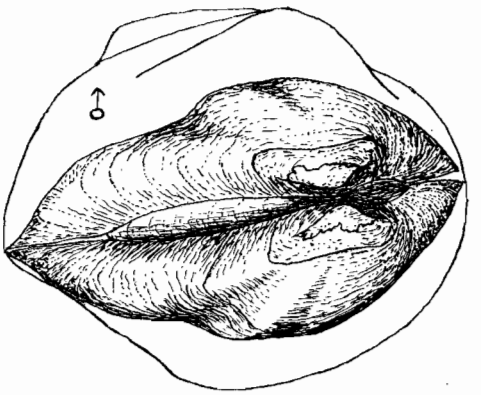

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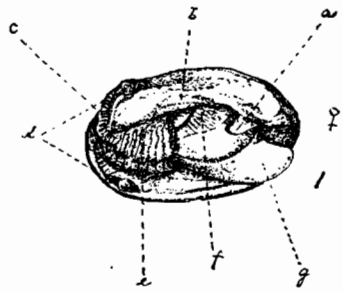

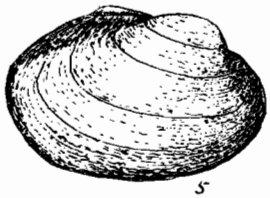
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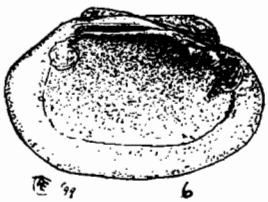
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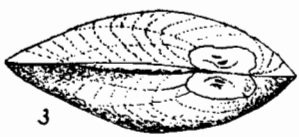
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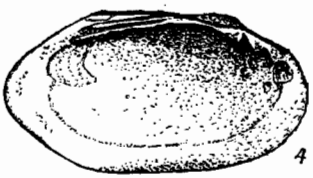
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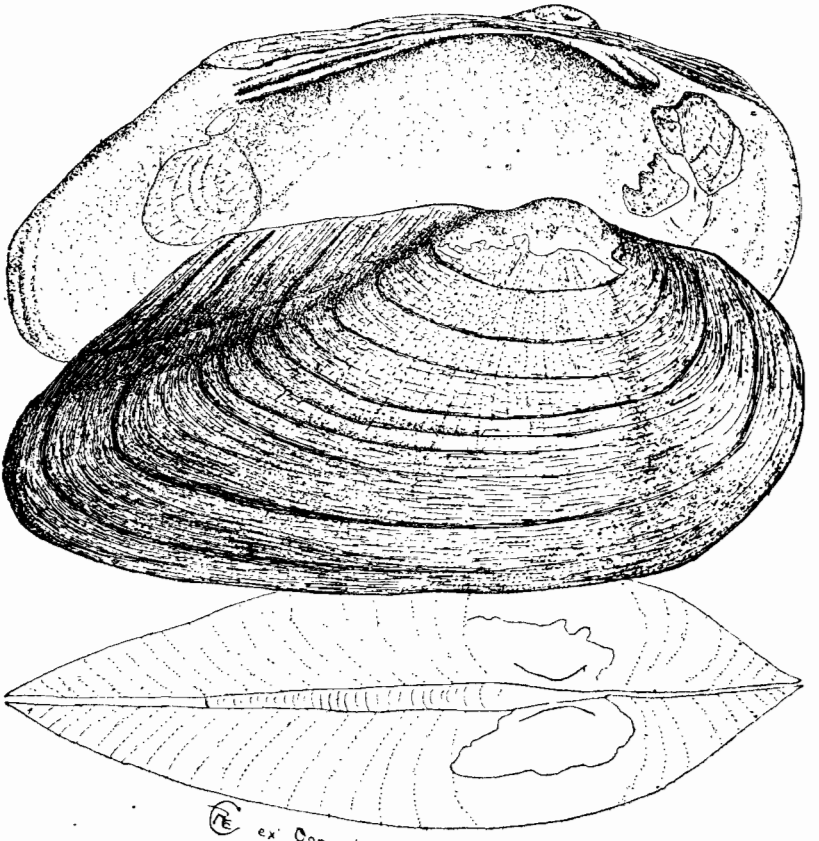
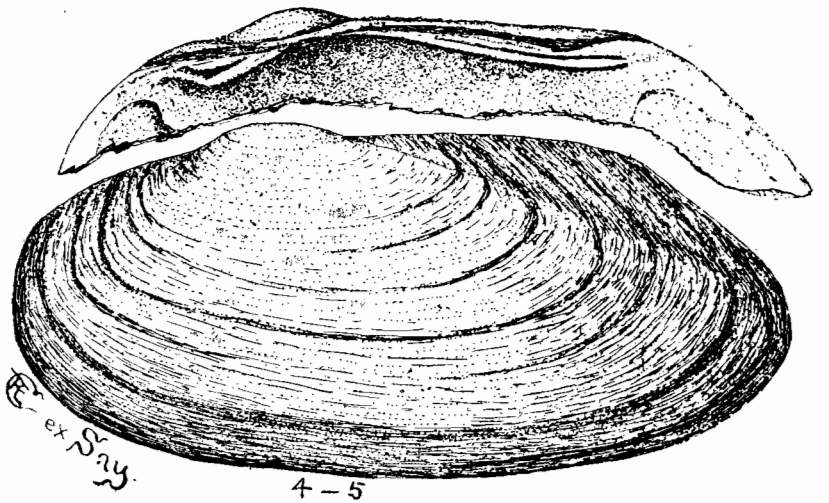
1-4, UNIO PARVUS Barnes.
5-7, UNIO GLANS Lea.

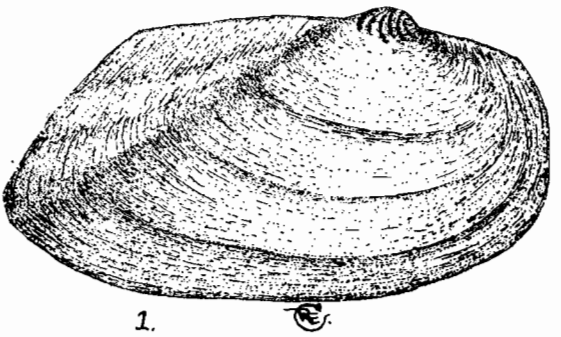


1 – 3.



4 – 5

UNIO TETRALASMUS Say.



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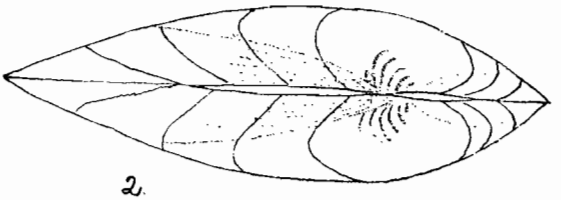

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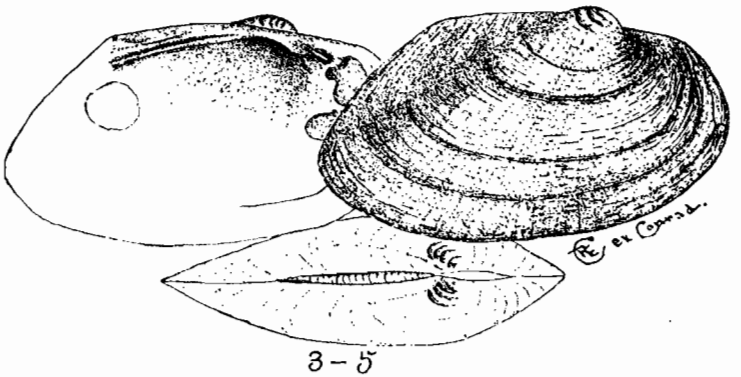

3 – 5

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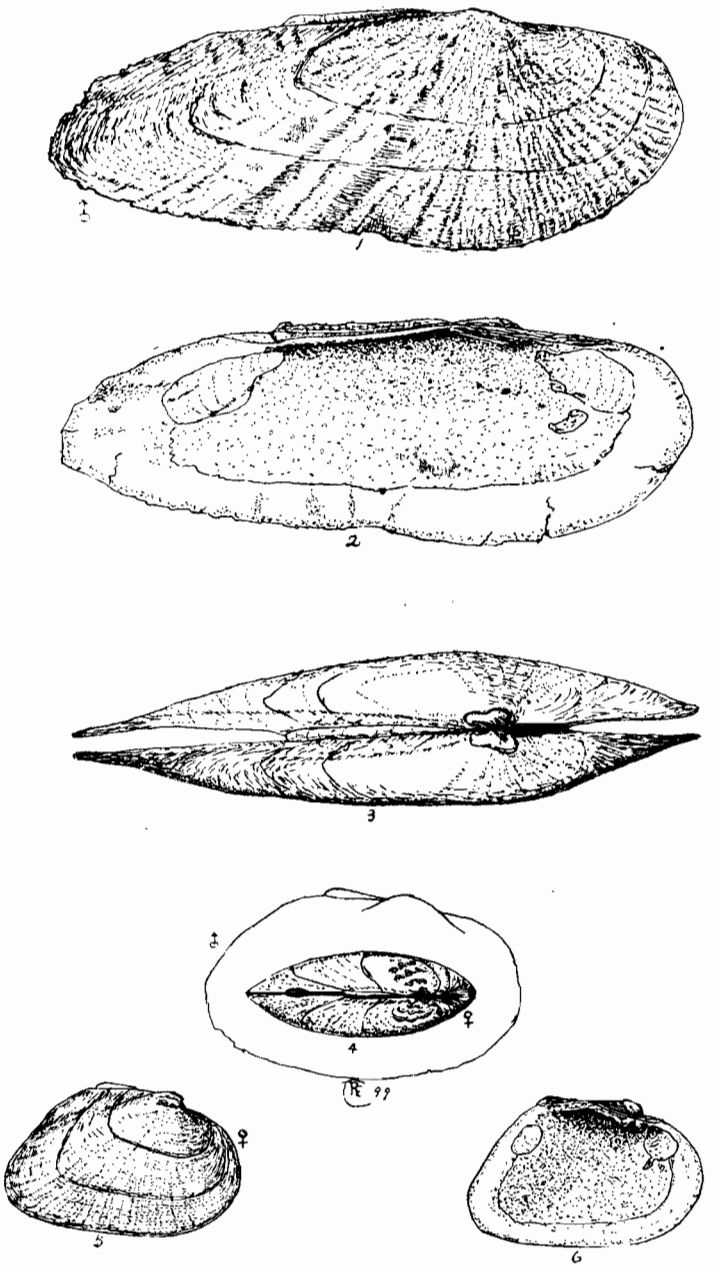
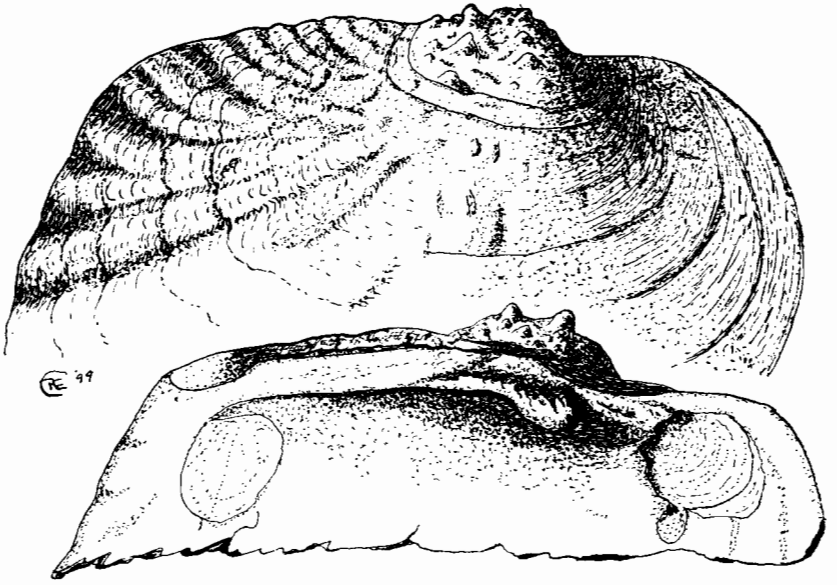
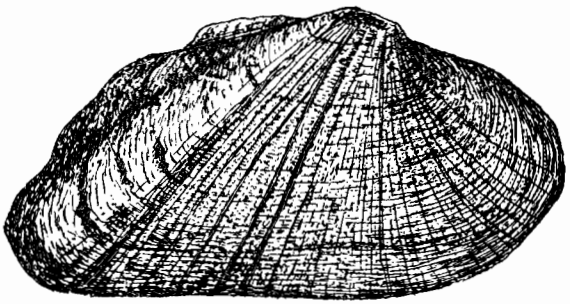
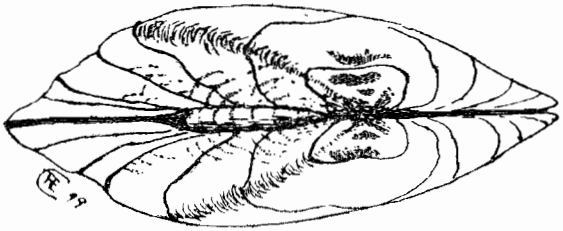


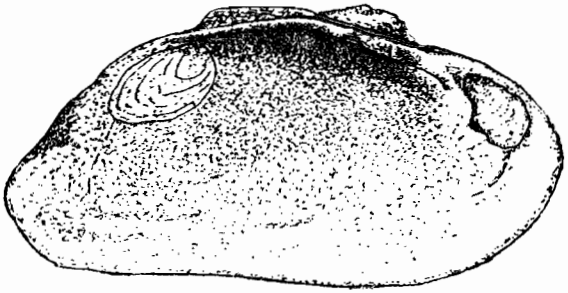
1-3, ANODONTA DEHISCENS Say.
4-6, MARGARITANA DELTOIDEA Lea.



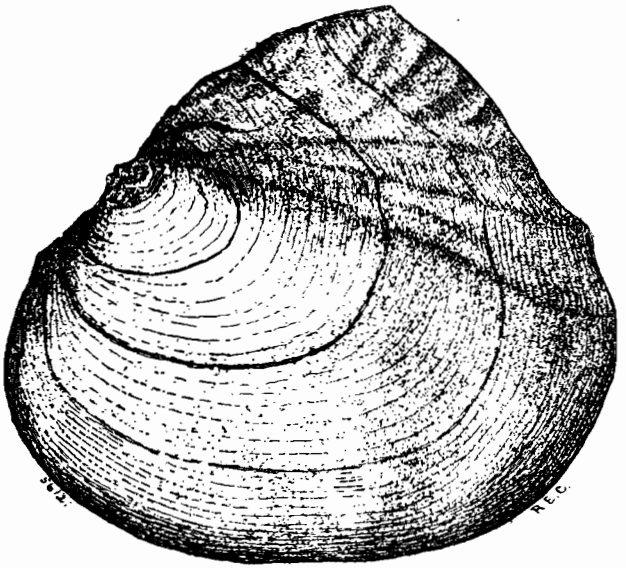
MARGARITANA CONFRAGOSA Say.

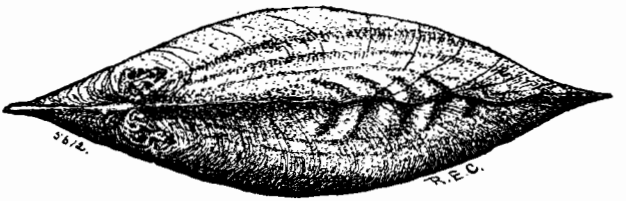




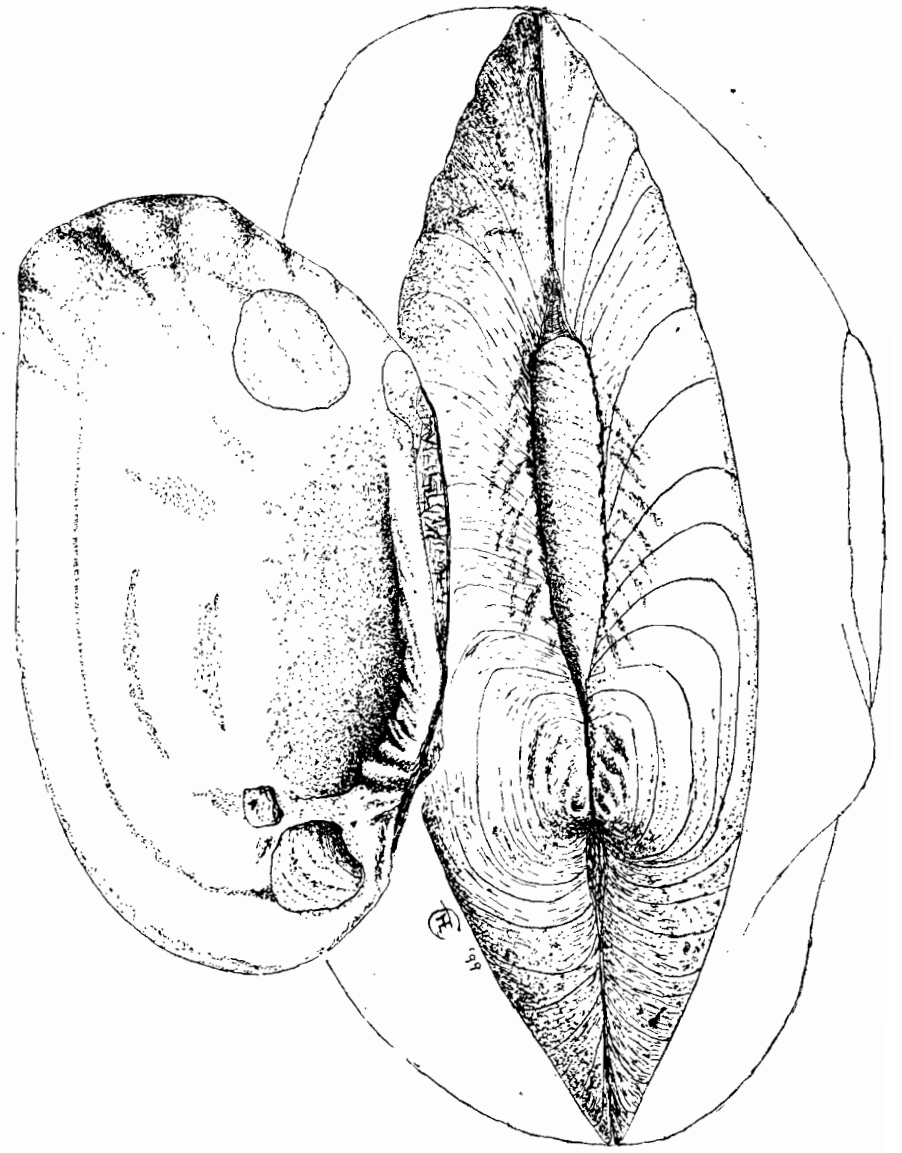


MARGARITANA MARGINATA Say.

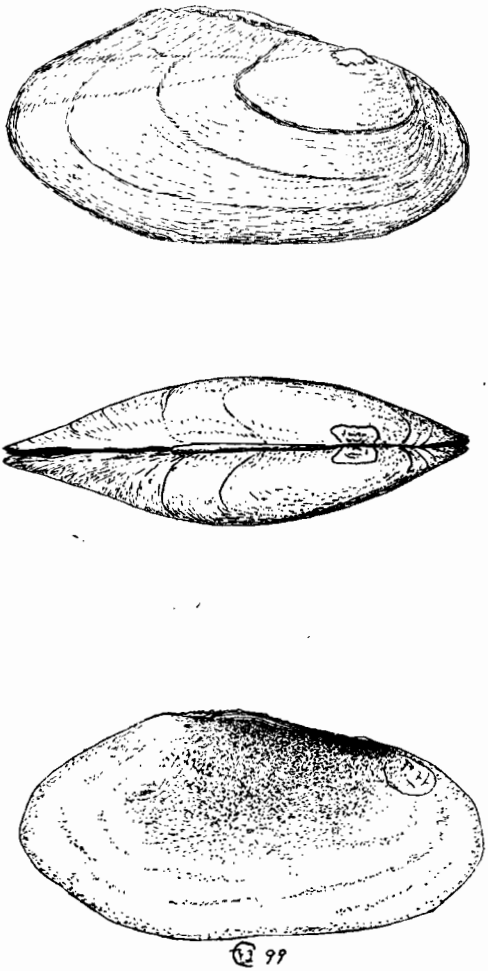




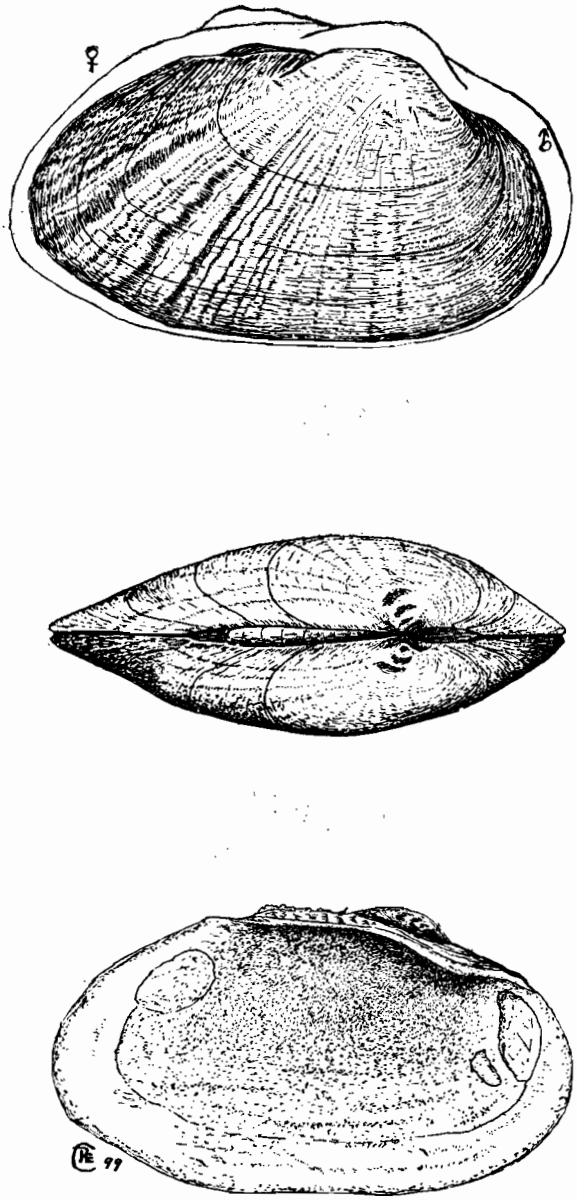
MARGARITANA COMPLANATA Barnes.



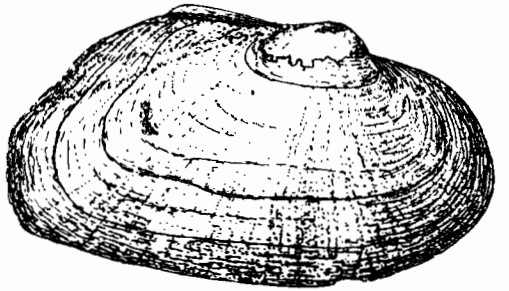
MARGARITANA RUGOSA Barnes.

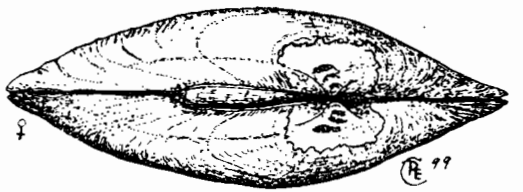


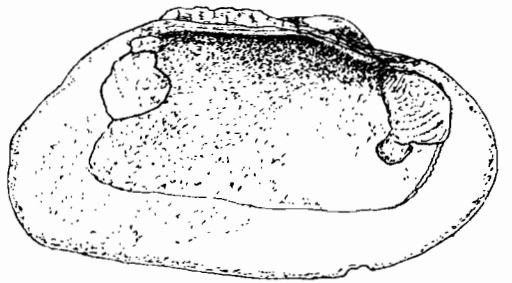
ANODONTA IMBECILLIS Say.



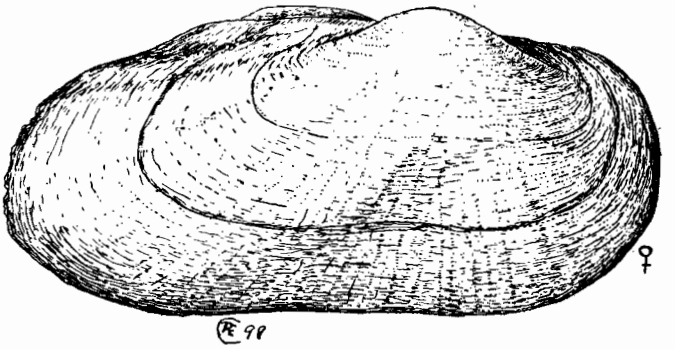
ANODONTA WARDIANA Lea.

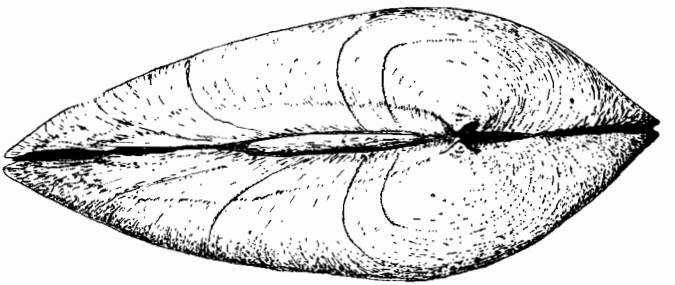


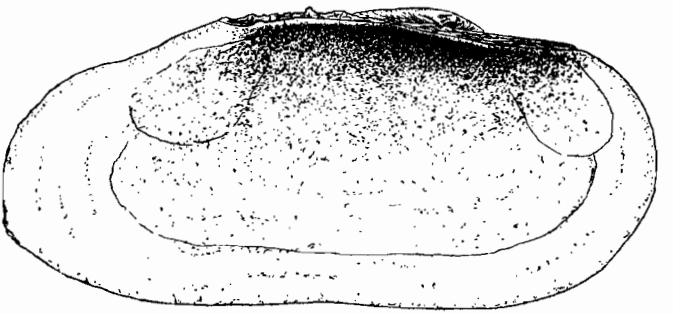




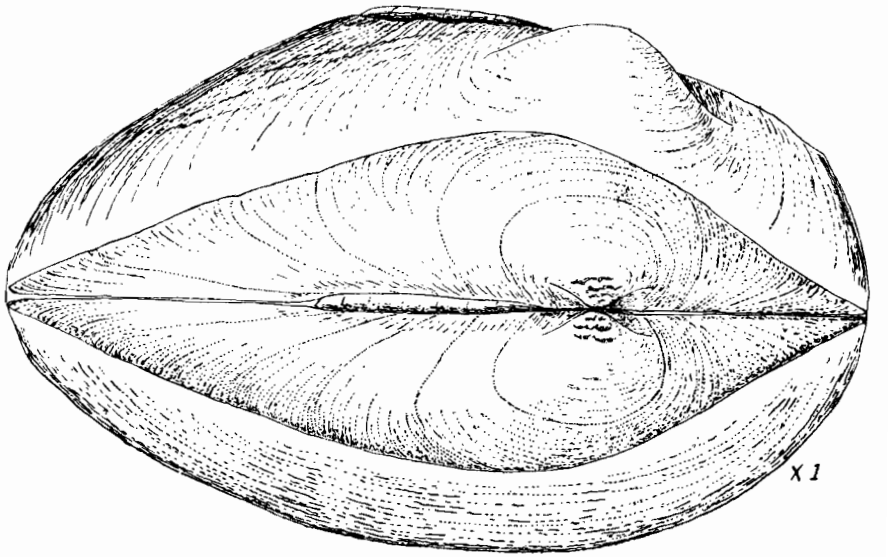
ANODONTA EDENTULA Say.

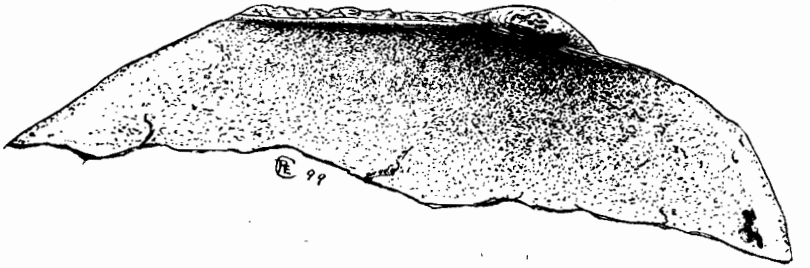


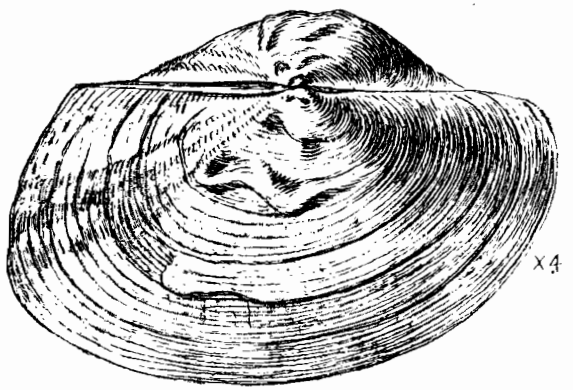




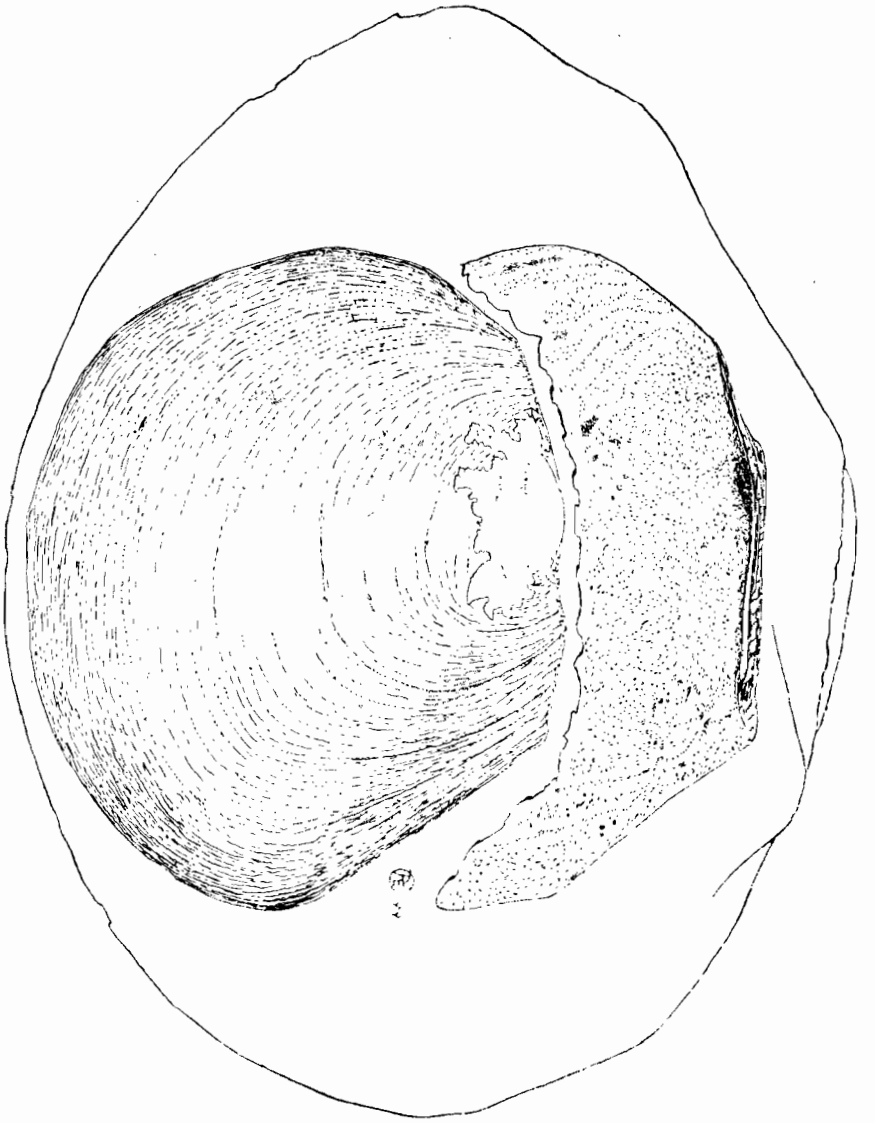
ANODONTA SUBCYLINDRACEA Lea.







ANODONTA GRANDIS Say.



ANODONTA SUBORBICULATA Say. (Reduced.)